# CONSTRUCTION NEWS

## *Some of the Week's Large Projects*

ALONG the announcements for the current week are the following:

### *Proposed Work*

Pipe line, Colorado and Texas, Cities Service Co., New York City and others plan, $22,700,000.

Bank and office, Los Angeles, Calif., Bank of Italy, having preliminary plans prepared, $6,000,000.

Road, Connecticut and New York, State Hy. Dept., Hartford, Conn., plans, $5,000,000.

Institute and museum, Philadelphia, Pa., Franklin Institute, plans, $4,000,000.

Road improvement, Bay City, Tex., Matagorda Co., May 21, bond election, $3,000,000.

Railway, Montana, Northern Pacific R.R. Co. plans, $2,500,000.

Impounding reservoir, Gate, Okla., Syndicate, made plans, $2,000,000.

Hotel, Toronto, Ont., Ford Hotel Co., plans, $2,000,000.

Schools, Edinburg, Tex., City, voted bonds, $1,700,000.

Office, New York, N. Y., New York Evening Journal Co., Inc., having plans prepared, $1,500,000.

Power plant, Kansas City, Mo., Kansas City Power & Light Co., having plans prepared, $1,500,000.

Paving, Athens, Tex., Henderson Co., plans bond election, $1,500,000.

Hotel, San Antonio, Tex., Baker Hotels, Inc., having plans prepared, $1,500,000.

Theatre, Milwaukee, Wis., Water-Grand Holden Co., having plans prepared, $1,275,000.

Schools, Lancaster, Pa., City, voted bonds, $1,250,000.

Paving, Goliad, Tex., Goliad Co., bond election May 28, $1,250,000.

Road improvement, Graham, Tex., Young Co., May 28, election bonds, $1,200,000.

City hall, Philadelphia, Pa., Dept. Pub. Wks., having plans prepared, $1,000,000.

Paving, Wichita Falls, Tex., Wichita Co., plans bond election, $1,000,000.

Office, Seattle, Wash., Northern Life Insurance Co., having plans prepared, $1,000,000.

City hall, Vancouver, B. C., City plans bond election, $1,000,000.

### *Bids Desired*

Dam, Piedmont, Mo., Black River Hydro Electric Co., takes bids about June 29, $4,000,000.

Hotel, St. Louis, Mo., Teich & Sullivan, archts., take bids about May 14, $2,500,000.

Bridge, Chicago, Ill., May 26, by Bd. Local Impvts., $2,300,000.

Bridge, St. Louis, Mo., J. R. Scott, et al takes bids in July or August, $2,500,000.

Block signal system, Arkansas and Tennessee, Missouri Pacific R.R. Co., takes bids about May 12, $1,000,000.

### *Contracts Awarded*

Bridge, Michigan, between Detroit and Windsor, Ont., to McClintic-Marshall Co., Pittsburgh, Pa., and others, totaling $20,000,000.

Locks, Pittsburgh, Pa., U. S. Engineer Office to U. G. I. Contg. Co., Philadelphia, $1,765,496.

Dredges, San Francisco, Calif., U. S. Smelting & Refining Co., to Bethlehem Ship Building Corp., San Francisco, approximately $1,600,000.

Railway, Texas, A. Q. & P. R.R. and others, to Lone Star Constr. Co., San Antonio, $1,132,000.

Synagogue, New York, N. Y., Congregation B'Nai Jeshurun, to Lustbader Constr. Co., New York, $1,000,000.

Steel plant, Pueblo, Colo., Colorado Fuel & Iron Co., own forces, $1,000,000.

Bridge, Terre Haute, Ind., P. R.R. Co., to Bravo Contg. Co., Pittsburgh, Pa., $1,000,000.

# *Classified Index of Bids Wanted*

### Waterworks

| *Bids close* | | *See Eng. News-Record* |
|---|---|---|
| May 13 | St. Gabriel de Brandon, Que. | May 12 |
| May 16 | Wrentham, Mass. | May 12 |
| May 17 | Northbrook, Ill. | May 12 |
| May 17 | New York, N. Y. | May 12 |
| May 17 | Brooklyn, N. Y. | May 12 |
| May 17 | Chicago, Ill. | May 12 |
| May 18 | Arcadia, Calif. | May 5 |
| May 19 | Pompano, Fla. | May 12 |
| May 20 | Mansfield, O. Adv. May 5 and 12. | May 12 |
| May 20 | Boston, Mass. | May 5 |
| May 20 | Brooklyn, N. Y. | May 12 |
| May 24 | Saginaw, Mich. | Apr. 14 |
| May 24 | St. Louis, Mo. | May 12 |
| May 24 | Glencoe, Ill. | May 12 |
| May 25 | Amenia, N. Y. Adv. May 12. | May 12 |
| May 26 | Winnfield, La. | May 12 |
| May 31 | Silver Lake (mail Cuyahoga Falls), O. | May 12 |
| June 1 | Youngstown, O. | Mar. 17 |
| June 1 | Detroit, Mich. Adv. May 5 and 12. | May 5 |

### Sewers

| | | |
|---|---|---|
| May 16 | Maple Heights (br. Bedford), O. | May 12 |
| May 17 | Fort Lauderdale, Fla. | Apr. 21 |
| May 17 | Teaneck, N. J. | May 5 |
| May 17 | Chicago, Ill. | May 12 |
| May 18 | Grand Rapids, Mich. | May 12 |
| May 18 | Cleveland, O. | May 12 |
| May 19 | Columbia, S. C. | May 12 |
| May 20 | Richfield Springs, N. Y. | May 5 |
| May 23 | Granville, N. Y. Adv. May 5 and 12. | May 12 |
| May 23 | Bexley (Columbus P. O.), O. | May 12 |
| May 24 | Oyster Bay, N. Y. Adv. May 5 and 12. | May 12 |
| May 24 | Wash., D. C. | May 12 |
| May 24 | Columbus, O. | May 12 |
| May 24 | Birmingham, Ala. | May 5 |
| May 24 | Teaneck, N. J. | May 5 |
| May 25 | Winnfield, La. | May 12 |
| May 26 | Delanco, N. J. Adv. May 12. | May 12 |
| May 29 | Birmingham, Ala. | May 5 |
| May 31 | Silver Lake (mail Cuyahoga Falls), O. | May 12 |
| July 7 | Louisville, Ky. Adv. May 12. | May 12 |

### Bridges

| *Bids close* | | *See Eng. News-Record* |
|---|---|---|
| May 13 | Akron, O. | Apr. 28 |
| May 16 | Lansing, Mich. | Apr. 21 |
| May 16 | Laconia, N. H. | May 5 |
| May 16 | South Bend, Ind. | May 12 |
| May 16 | Concord, Mass. | May 12 |
| May 17 | Sandisfield (mail South Sandisfield), Mass. | May 5 |
| May 17 | Ft. Scott, Kan. | May 5 |
| May 17 | Auburn, N. Y. | Apr. 21 |
| May 17 | Maryland Adv. May 12. | May 12 |
| May 17 | North Carolina | May 12 |
| May 17 | New Hampton, Ia. | May 12 |
| May 18 | Mason City, Ia. | May 12 |
| May 19 | Pawtucket, R. I. | May 12 |
| May 20 | Westport, Pa. | May 12 |
| May 22 | Los Angeles, Calif. | May 5 |
| May 25 | Phila., Pa. | Apr. 28 |
| May 25 | Cincinnati, O. | May 12 |
| May 26 | Akron, O. Adv. May 12. | May 12 |
| May 26 | Chicago, Ill. | May 12 |
| May 31 | Toronto, Ont. | Apr. 14 |
| May 31 | New York and New Jersey Adv. May 12. | May 12 |

### Dams

| | | |
|---|---|---|
| May 9 | Greenfield, Mass. | Apr. 14 |
| May 23 | Fitchburg, Mass. Adv. May 5 and 12. | May 5 |
| May 27 | Abilene, Tex. | May 5 |

### Excavation, Drainage, Irrigation, Levees, River and Harbor

| | | |
|---|---|---|
| May 13 | Quebec | May 12 |
| May 16 | Ontario | May 12 |
| May 17 | New York, N. Y. | May 12 |
| May 18 | Los Angeles, Calif. | May 12 |
| May 18 | Sault Ste Marie, Ont. | May 12 |
| May 18 | Ontario | May 12 |
| May 20 | Seymour, Ill. | May 12 |
| May 25 | Beardstown, Ill. Adv. May 12. | May 12 |
| May 26 | Cedar Rapids, Ia. Adv. May 12. | May 12 |
| May 27 | Tully, N. Y. Adv. May 12. | May 12 |
| June 3 | New York Adv. May 12. | May 12 |

### Streets and Roads

| *Bids close* | | *See Eng. News-Record* |
|---|---|---|
| May 13 | New York Adv. Apr. 28 to May 12. | Apr. 28 |
| May 13 | Ontario | May 5 |
| May 13 | South Orange, N. J. | May 5 |
| May 13 | Dayton, O. | May 12 |
| May 14 | Dixon, Ill. | May 5 |
| May 14 | Jeffersonville, Ind. | May 5 |
| May 14 | Peru, Ind. | May 12 |
| May 14 | Richmond, Va. | May 12 |
| May 14 | Galesburg, Ill. | May 12 |
| May 15 | Anderson, Ind. | May 5 |
| May 16 | Point Grey, B. C. | May 12 |
| May 16 | Emmetsburg, Ia. | May 12 |
| May 16 | Van Horne, Ia. | May 12 |
| May 16 | El Cerrito, Calif. | May 12 |
| May 16 | Winona, Minn. | May 12 |
| May 16 | Johnstown, N. Y. | May 12 |
| May 16 | Inverness, Fla. | May 5 |
| May 16 | Akron, O. | May 5 |
| May 16 | Kansas City, Kan. | May 5 |
| May 16 | Plainfield, N. J. | Apr. 28 |
| May 16 | New Jersey | May 5 |
| May 16 | St. Paul, Minn. | May 12 |
| May 16 | Stoney Creek (Johnstown P. O.), Pa. | May 12 |
| May 16 | Spencer, Ia. | May 12 |
| May 16 | Concord, Mass. | May 12 |
| May 16 | Syracuse, N. Y. | May 12 |
| May 16 | Trenton, N. J. | May 12 |
| May 17 | Prescott, Ark. | May 12 |
| May 17 | Maryland Adv. May 12. | May 12 |
| May 17 | St. Paul, Minn. | May 12 |
| May 17 | Fairbury, Neb. | May 12 |
| May 17 | Sparta, N. J. Adv. May 5 and 12. | May 5 |
| May 17 | Louisiana | May 5 |
| May 17 | South Carolina | May 5 |
| May 17 | Union City, N. J. | May 12 |
| May 17 | North Carolina | May 12 |
| May 17 | Toms River, N. J. | May 12 |
| May 17 | Massachusetts | May 12 |
| May 17 | Seminole, Okla. | May 17 |
| May 17 | Ft. Dodge, Ia. | May 12 |
| May 17 | Iowa City, Ia. | May 12 |
| May 17 | Sibley, Ia. | May 12 |
| May 18 | Cleveland, O. | May 12 |
| May 18 | Dumont, N. J. | May 12 |
| May 18 | Greencastle, Ind. | May 5 |
| May 18 | Wooster, O. | May 5 |
| May 18 | Delaware | Apr. 21 |
| May 18 | Algona, Ia. | May 12 |
| May 18 | Beloit, Wis. | May 12 |

***See proposal advertising on page 168***

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

*Making LEADITE Joints on 24 Inch c. i. B & S Force Main*

# Caulking Means EXPENSE---
# No Caulking Means PROFIT

It is needless waste of time, money and labor to caulk cast iron bell and spigot water mains.

Why not turn this expenditure into a profit?

Use Leadite, which is melted and poured into the joint.

Leadite forms a water-tight bond by filling every crevice of the joint from the yarn out to face of bell of pipe, without caulking.

Leadite means simplicity, efficiency and economy.

Water works all over the world use Leadite because it makes a good joint which improves with age.

Leadite resists electrolysis.

Leadite facilitates rapid progress of the work generally.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

## LEADITE saves at least 75%

**LEADITE is the pioneer self-caulking material for c. i. pipe**

**Be Sure It Is LEADITE and Accept No Imitations**

## THE LEADITE COMPANY, Inc.

**1512 Land Title Building, Philadelphia, Pa., U. S. A.**

# NO CAULKING

| Bids close | | See Eng. News-Record |
|---|---|---|
| May 18 | New York, N. Y. | May 12 |
| May 18 | Wisconsin | May 12 |
| May 18 | St. Telesphore, Que. | May 12 |
| May 18 | Ann Arbor, Mich. | May 12 |
| May 18 | New York, N. Y. | May 12 |
| May 18 | Brooklyn, N. Y. | May 12 |
| May 18 | Fargo, N. D. | May 12 |
| May 19 | Waukesha, Wis. | May 12 |
| May 19 | Lynnville, Ill. | May 12 |
| May 19 | Poughkeepsie, N. Y. Adv. May 5 and 12. | May 5 |
| May 19 | Clay Center, Kan. | May 5 |
| May 19 | Michigan | May 12 |
| May 19 | Orange City, Ia. | May 12 |
| May 19 | Maine | May 12 |
| May 20 | New York Adv. May 5 and 12. | May 5 |
| May 20 | Birmingham, Ala. | Apr. 21 |
| May 20 | Leavenworth, Kan. | Apr. 28 |
| May 20 | Akron, O. | May 12 |
| May 20 | Dale (Johnstown P. O.), Pa. | May 12 |
| May 20 | Alice, Tex. | May 12 |
| May 20 | Medford, Okla. | May 12 |
| May 20 | Sac City, Ia. | May 12 |
| May 23 | Crown Point, Ind. | May 12 |
| May 23 | White Plains, N. Y. Adv. May 12. | May 12 |
| May 23 | New Jersey Adv. May 5 and 12. | May 12 |
| May 23 | Waterloo, N. Y. Adv. May 12. | May 12 |
| May 23 | Akron, O. | May 12 |
| May 23 | Columbus, O. | May 12 |
| May 23 | Birmingham, Ala. | May 5 |
| May 23 | New Jersey Adv. Apr. 28 to May 12. | May 5 |
| May 24 | Paola, Kan. | May 5 |
| May 24 | Columbus, O. | May 12 |
| May 24 | Maryland Adv. May 12. | May 12 |
| May 24 | Indiana | May 12 |
| May 24 | Vernon, Tex. | May 12 |
| May 24 | Huntsville, Tex. | May 12 |
| May 25 | Valhalla, N. Y. Adv. May 12. | May 12 |
| May 25 | Akron, O. | May 12 |
| May 25 | Anderson, Ind. | Apr. 28 |
| May 25 | Duluth, Minn. | Mar. 31 |
| May 26 | Eureka, Kan. | May 5 |
| May 27 | Greensburg, Kan. | May 5 |
| May 27 | Kentucky | Apr. 28 |
| May 27 | Pennsylvania Adv. May 12. | May 12 |
| May 28 | Michigan | May 12 |
| May 28 | Cimarron, Kan. | May 12 |
| May 28 | Duluth, Minn. | Apr. 7 |
| May 30 | Owen Sound, Ont. | May 12 |
| May 31 | St. Louis, Mo. | May 12 |
| June 1 | Delaware Adv. May 12. | May 12 |
| June 1 | Canton, O. | May 12 |
| June 2 | Birmingham, Ala. | Apr. 28 |
| June 20 | Duluth, Minn. | May 5 |
| June 29 | Birmingham, Ala. | May 12 |

## Buildings—Commercial

| | | |
|---|---|---|
| May 14 | Columbus, O. | May 12 |
| May 15 | Chicago, Ill. | May 12 |
| May 15 | Brooklyn, N. Y. | Apr. 21 |
| May 15 | Oklahoma City, Okla. | Apr. 28 |
| May 16 | Dodge City, Kan. | May 5 |
| May 16 | Detroit, Mich. | May 12 |
| May 16 | Saginaw, Mich. | May 12 |
| May 16 | El Dorado, Ark. | May 12 |
| May 16 | Phila., Pa. | May 12 |
| May 16 | Asbury Park, N. J. | May 12 |
| May 17 | Dodge City, Kan. | May 12 |
| May 17 | Germantown (Phila. P. O.), Pa. | May 12 |
| May 18 | Murphysboro, Ill. | May 12 |
| May 19 | Detroit, Mich. | May 12 |
| May 19 | Quebec City, Que. | May 12 |
| May 20 | Detroit, Mich. | May 12 |
| May 20 | Stonington, Conn. | May 12 |
| May 21 | London, Ont. | May 12 |
| May 21 | Terra Haute, Ind. | May 5 |
| June 1 | Seattle, Wash. | Apr. 28 |

## Buildings—Industrial

| | | |
|---|---|---|
| May 20 | Boston, Mass. | May 12 |
| May 22 | Cambridge (br. Boston) Mass. | May 5 |
| May 31 | St. Louis, Mo. | May 12 |

## Buildings—Educational, Religious

| | | |
|---|---|---|
| May 16 | Hartford, Conn. | May 12 |
| May 16 | Cornwells Heights, Pa. | May 12 |
| May 16 | Castleton, Vt. | May 12 |
| May 17 | McVeytown, Pa. | May 12 |
| May 18 | Helmuth, N. Y. Adv. Apr. 28 to May 12. | Apr. 28 |
| May 18 | Hartford, Conn. | May 12 |
| May 19 | New Orleans, La. | May 12 |
| May 20 | Pittsburg, Calif. | May 5 |
| May 20 | Wash., D. C. | May 12 |
| May 21 | Mexico, N. Y. | May 12 |
| May 24 | Far Rockaway, N. Y. | May 5 |
| June 1 | Springfield, O. | Apr. 14 |
| June 7 | Richmond Hill (Ind. br. Jamaica), N. Y. | May 12 |

## Federal Government Work

| | | |
|---|---|---|
| May 16 | Dredging—Delaware Adv. Apr. 21 to May 12. | Apr. 21 |
| May 16 | Boilers—Portland, Me. | Apr. 28 |
| May 17 | Tank and Tower—Maywood, Ill. | May 5 |
| May 17 | Telephone Equipment—Walla Walla, Wash. | Apr. 28 |
| May 17 | Nurses' Home, etc.—Augusta, Ga. | Apr. 14 |
| May 17 | Gates—New Mexico, Texas | Apr. 21 |
| May 17 | Revetment—Napoleon, Mo. | May 12 |
| May 17 | Road—Arizona | May 12 |
| May 17 | Road—Colorado | May 12 |
| May 18 | Lock Gate—Pittsburgh, Pa. Adv. Apr. 21 to May 12. | Apr. 21 |
| May 20 | Gates—Montana | Apr. 21 |
| May 20 | Superstructure—Cleveland, O. Adv. Apr. 21 to May 12. | Apr. 21 |
| May 24 | Tug—Milwaukee, Wis. Adv. Apr. 28 to May 12. | Apr. 28 |
| May 24 | Refrigeration Plant—North Little Rock (Ind. br. Little Rock), Ark. | Apr. 28 |
| May 25 | Seaplane Hangars—Pensacola, Fla. | May 5 |
| May 25 | Garage—San Diego, Calif. | May 5 |
| May 25 | Retaining Wall—Buffalo, N. Y. Adv. Apr. 28 to May 12. | Apr. 28 |
| May 25 | Dredging—New Jersey Adv. Apr. 28 to May 12. | Apr. 28 |
| May 26 | Storehouse, etc.—Biloxi, Miss. | May 5 |
| May 27 | Dredging—Los Angeles, Calif. | May 12 |
| May 31 | Quarters—Chicago, Ill. | Apr. 21 |
| May 31 | Breakwater—Muskegon, Mich. Adv. May 5 and 12. | May 5 |
| May 31 | Light Towers—Key West, Fla. Adv. May 12. | May 12 |
| June 1 | Remodeling—Portland, Me. Adv. May 5 and 12. | May 12 |
| June 1 | Drains—Montana and North Dakota | May 5 |
| June 1 | Quarters—Canacao, P. I. | Mar. 3 |
| June 1 | Remodeling—Portland, Me. | May 12 |
| June 3 | Canal—Washington | Apr. 28 |
| June 10 | Breakwater—Frankfort, Mich. Adv. May 12. | May 12 |
| June 10 | Buildings, etc.—Livermore, Calif. Adv. May 12. | May 12 |
| June 13 | Post Office, etc.—Marianna, Fla. Adv. May 5 and 12. | May 12 |
| June 14 | Post Office—Red Bluff, Calif. Adv. May 12. | May 12 |

## Unclassified

| | | |
|---|---|---|
| May 13 | Wharf, etc.—Powell River, B. C. | May 5 |
| May 13 | Special Work—New York, N. Y. | May 12 |
| May 16 | Tunnel—Ashville, N. C. Adv. May 12. | May 12 |
| May 16 | Park Improvements—St. George, N. Y. | May 12 |
| May 17 | Heating Equipment—Vancouver, B. C. | May 5 |
| May 18 | Swimming Pool—Mt. Vernon N. Y. Adv. May 5 and 12. | May 5 |
| May 18 | Wharf Deck—Los Angeles, Calif. | May 12 |
| May 18 | Subway—New York Adv. May 12. | May 12 |
| May 19 | Comfort Stations—Indianapolis, Ind. | May 12 |
| May 19 | Coal and Material Handling Plant—Mobile, Ala. | Apr. 28 |
| May 20 | Tracks, etc.—Corona (Ind. sta. Flushing), N. Y. | May 12 |
| May 22 | Playground—Concord, Mass. | May 5 |
| May 28 | Swimming Pool—Lakewood (br. Cleveland), O. | May 5 |
| June 1 | Transmission Line—Ontario | May 5 |

## Materials

| | | |
|---|---|---|
| May 13 | Tie Plates, etc.—Phila., Pa. | May 12 |
| May 13 | Copper Wire and Cable—Phila., Pa. | May 12 |
| May 16 | Pig Lead, etc.—Providence, R. I. | May 12 |
| May 16 | Pipe—Akron, O. | May 12 |
| May 16 | Gravel—Boston, Mass. | May 12 |
| May 17 | Cable—Hartford, Conn. | May 12 |
| May 17 | Stone Ballasts and Pine Lumber—Boston, Mass. | May 12 |
| May 17 | Wood Blocks—Boston, Mass. | May 12 |
| May 17 | Lead Pipe—Chicago, Ill. | May 12 |
| May 19 | Rubber Insulate Wire and Cable—Phila., Pa. | May 12 |
| May 27 | Rails and Tie Plates—Ohio | May 12 |

# News of the Week

# Waterworks

## *Proposed Work*

**Mass., Newton** (Ind. br. Boston)—Bd. Aldermen, plans extending water system. $17,000 appropriated. Private plans.

**Mass., Wakefield**—Plans water main connections between Crystal Lake and new standpipe. $175,000 appropriated. Private plans. Noted Dec. 16.

**Ill., Springfield**—Soon takes bids 100,000 gal. steel tank on steel tower. Burns & McDonell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs. Noted Feb. 10.

**Ia., Blencoe** — Defeated $18,000 bonds, complete waterworks. W. E. Buell & Co., 205 Davidson Bldg., Iowa City, engrs. Noted Apr. 7.

**Kan., Alta Vista**—Election May 20, $38,000 bonds, waterworks. Hoskins & Crawford, 822 Finance Bldg., Kansas City, Mo., engrs. Noted Oct. 14.

**Kan., Dodge City**—Soon takes bids pumphouse, pumps, equipment and additional mains. $31,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

**Kan., Ness City**—Election soon $35,000 bonds, complete waterworks and distribution system. S. A. Sulentic Eng. Co., New England Bldg., Topeka, engrs.

*THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.*

*Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.*

**Kan., Otis**—Soon takes bids general contract, pump, equipment, etc., for waterworks. $50,000. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted May 5.

**S. D., Aberdeen** — Defeated $116,000 bonds, waterworks, reservoir, extending mains and sewers, also fire ladder truck. A. E. Bennett, city engr. Noted Apr. 7.

**N. D., Dickinson**—Election May 23, $75,000, extending waterworks, incl. 500,000 gal. reservoir, wells, pumping equipment, etc. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 10.

**Mont., Philipsburg** — Election June 3, $35,000 bonds, improving waterworks. A. R. McDonald, city clk.

**Mo., New Madrid**—R. L. Jones, city clk. returned bids to have been opened Apr. 14, 18,350 ft. 4 in. c.i. and 1,000 ft. 3 in. galvanized pipe, etc. on account Mississippi River flood. Will readvertise. A. C. Moore, Joplin Natl. Bank, Joplin, engr. Noted Mar. 31.

**Ark., Leachville** — Making preliminary plans complete waterworks and distribution system, incl. wells, pumps, mains, etc., also complete sewerage system, and disposal plant. $60,000 . A. C. Moore, Joplin Natl. Bank Bldg., Joplin, Mo., engr.

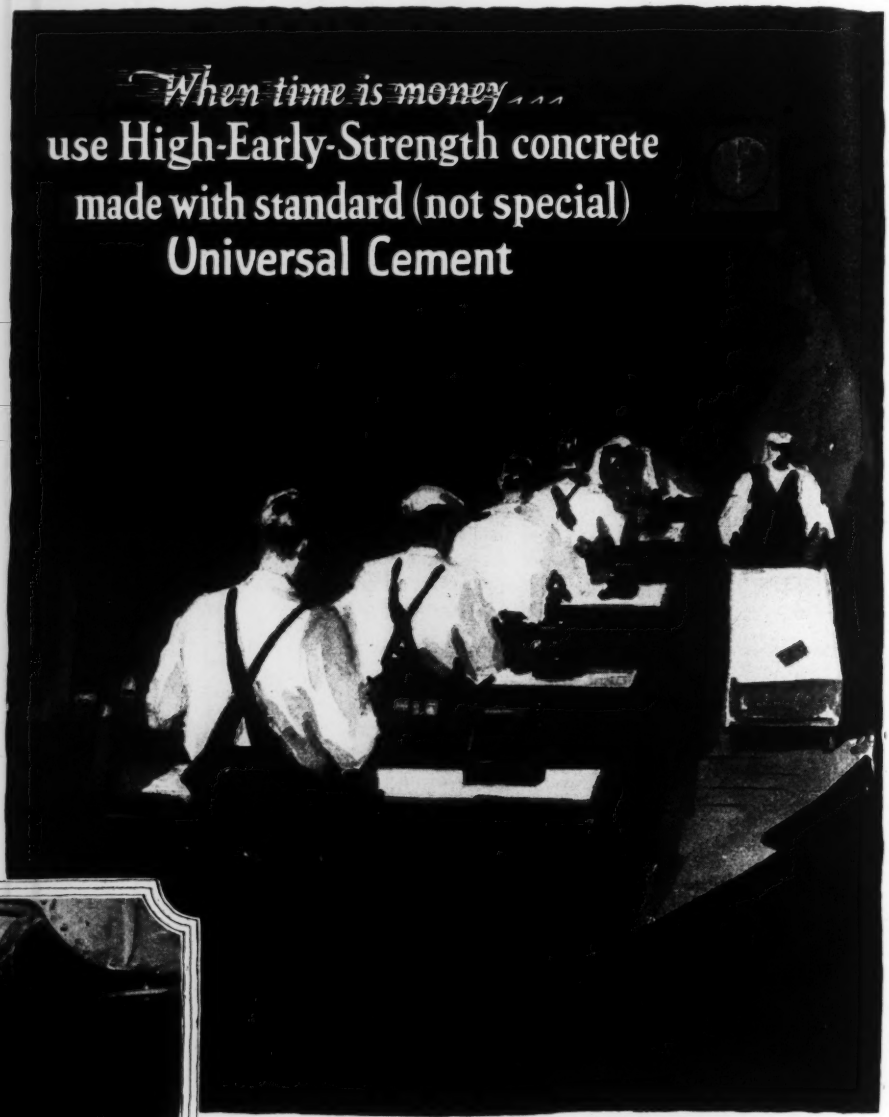
**Tex., Frankston** — Election soon $50,000 bonds, improving waterworks and sewerage system, $15,000 each and balance to be used for retire warrants. Address mayor.

**Tex., Harlingen** — Voted $70,000 bonds, extending waterworks, incl. additional mains, laterals, pumping equipment, etc. Address Mayor.

*Constr. News page 296*

*When time is money . . .*

use High-Early-Strength concrete made with standard (not special) Universal Cement



Cupola blower foundation was placed in foundry department of Edgar Thomson Works, Carnegie Steel Co., Braddock, Pa., and was ready for service in 3 *days* thru use of *High-Early-Strength* Concrete made with standard—not special—Universal cement. For further details use the accompanying coupon.

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in 3 *days* with standard—not special—Universal cement, the same quality Universal regularly used.

Name .....

Address .....

ENR 5-12-27

## Concrete for Machinery Foundation Placed Wednesday Ready for Use Saturday

On *Wednesday*, the concrete foundation for a cupola blower was completed.

On *Friday*, the machinery was set in place.

On *Saturday*, foundation and machinery were ready for service.

What made this possible? *High-Early-Strength* Universal Concrete, made by using fully tested methods and standard—not special—Universal cement which, being standard—not special—sells at the regular price.

Such concrete may be made as workable as desired. It is being used on all types of jobs, and, having a higher ultimate strength, is permanently *better* and *stronger* than concrete as ordinarily placed. The accompanying coupon will bring full details promptly.

**Universal Portland Cement Co.**

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

**Concrete for Permanence**

Waterworks (Continued)

**Tex., New Boston**—Voted $65,000 bonds, waterworks. J. H. Dalby, mayor.

**Tex., Perryton**—Making plans extending waterworks and drilling wells. Delvin E. g. Co., Amarillo, engrs. $40,000.

**Tex., Plainview**—Election May 20, $25,000 bonds, extending waterworks, etc. Address Mayor.

**Tex., San Antonio**—See "Unclassified."

**Tex., Westbrook**—Voted $30,000 bonds, complete waterworks. Address Mayor.

**Okla., Ada**—Making plans waterworks improvements. To exceed $15,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

**Okla., Seminole**—Election May 16, $65,000 bonds, new well, 3 deep well pumps, 34,000 ft. 6- to 10-in. c.i. mains, etc. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Okla., Weleetka**—Made preliminary plans raising present earth dam, new spillway and extending 11,700 ft. 4 and 6 in. c.i. mains in various streets. $25,000. F. W. Harding, Weleetka, engr.

**Calif., Manteca**—Plans election bonds to exceed $25,000, purchasing and improving privately owned waterworks or constructing new system.

**Calif., South San Francisco**—Plans election $8,000 bonds, 125 fire hydrants. G. H. Kneese, Court House, Redwood City, engr.

**Calif., Williams**—Voted $38,000 bonds, digging 2 wells, installing 2 pumping plants, and erecting 100,000 gal. water tank.

### *Bids Desired*

**Mass., Wrentham** — May 16, by Water Comrs., mains in various streets. $35,000 appropriated. Private plans.

**N. Y., Amenia**—May 25, by Dept. Mental Hygiene, Albany, installing and testing test wells, at Wassaic State School, here. L. M. Farrington, secy.; adv. E. N.-R. May 12.

**N. Y., Brooklyn**—May 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Lexington Ave. and Essex St., here.

**N. Y., Brooklyn**—May 20, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenues I, K, O and Y, Narrows, Remsen, Schenectady, and Stillwell Aves., Brown, Wyona, 3rd, 52nd Sts., etc.

**N. Y., New York** — May 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Victor St., Campbell Dr., Fieldston Terrace, Arnow, Beach, Colgate, Croes, Edson, Hollers, Logan, Manor, Morris Aves., etc. Bronx Boro.

**Fla., Pompano** — May 19, at office of Mayor, constructing waterworks and sewerage system. J. B. McCrary Eng. Corp., Bankhead Ave., Atlanta, Ga., constr. engrs.

**La., Winnfield**—May 25, by H. T. Willis, city clk., complete waterworks and distribution system. $44,000. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Noted Apr. 7 under "Sewers."

**O., Mansfield**—May 20, at office Secretary Bd. Control, City Hall, 6 m.g. covered concrete water storage reservoir and appurtenances. F. B. Wolff, dir.; adv. E. N.-R. May 12. Noted Apr. 14.

**O., Silver Lake** (mail Cuyahoga Falls)—May 31, by Village, mains in 8 streets. $90,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

**Ill., Chicago**—May 17, by City, Room 207, City Hall, water service pipes in 32 various streets and avenues. M. F. Faherty, pres. Board Local Impvts.

**Ill., Glencoe**—May 24, by Village, 3 m.g. filtration plant, water supply $300,000. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, engrs. Noted Feb. 3.

**Ill., Northbrook**—May 17, by Village, 6 and 8 in. mains, etc., in various streets. $17,300. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engr.

**Mo., St. Louis** — May 24, by Bd. Pub. Serv., 208 City Hall, 4 forced and 2 induced draft fans for Howard Bend Water Works Station, $10,000; also gasoline driven a.c. generator, $8,500, for Water Dept., L. Day, comr.

**Okla., Altus**—City in market one 1,000 g.p.m. centrifugal pump and 100 hp. motor, for Waterworks Dept. S. E. Hickman, mayor.

**Okla., Maud** — City in market two hundred ⅝ in. water meters for waterworks. D. Gray, supt.

**Okla., Seminole** — City in market three hundred ⅝ in. water meters for waterworks. F. W. Harding, supt.

**Okla., Wewoka** — City in market two hundred and fifty ⅝ in. water meters for waterworks. D. R. Fraser, city clk.

**Que., St. Gabriel de Brandon**—May 13, by H. Lippe, Joliette, aqueduct and pumping plant, here, for City. $50,000.

### *Contracts Awarded*

**Mass., Boston**—Commonwealth of Massachusetts, Metropolitan Dist. Water Comn., 7,000 lin.ft. 30 in. c.i. or rein.-con. pipe in Ashland and Southboro to Cenedella & Co., Milford. Noted Apr. 14.

**N. J., Hamberg**—Boro Council, water supply distribution system, well and pumping station, etc., to Maplewood Constr. Co., 18 Oregon St., Hilton, $51,668. Noted Mar. 24.

**O., Beachwood** (br. Cleveland) — To Marra Constr. Co., Union Trust Bldg., Cleveland, 1,950 ft. 4- to 12-in. c.i. mains in Beachwood Blvd. $7,433, 2,670 ft. Baintree Rd. $9,120, 3,120 ft. Groveland Rd. $9,269, 1,600 ft. Edgehill Dr. $3,730, and 1,340 ft. Glenhill Dr. $3,688; to Sprague & Burkhardt, 1811 Browning Ave., Cleveland, 1,560 ft. 8- to 12-in. c.i. mains, Cedarview Rd. $8,076, and 720 ft. Campus Rd. $3,889; to Curro & Whittaker Co., Engineers Bldg., Cleveland, 2,610 8- to 12-in. c.i. mains, Silsby Rd., $7,427, 2,880 ft. Greenlawn Rd. $10,589, 1,550 ft. Woodway Rd. $4,856, and 1,360 ft. Lyndway Rd. $4,673. Grand total $72,750.

**Ind., Elkhart**—City Clerk, feeder mains and extensions in various streets, Contr. 5, to Pittsburg-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $69,500; also hydrant and valves, Contr. 4, to J. B. Clow & Son, North Talman Ave. and West Lake St., Chicago, Ill., $4,219. Noted Apr. 28.

**N. D., Rolla**—City Auditor, waterworks, incl. 2 wells, pumping system, 50,000 gal. tank on steel tower, also sewage lift cesspool, etc., to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn., $34,905. Noted Mar. 31.

**Calif., Palo Alto**—Constructing reservoir, 14,000 cu.yd. excav., 4,200 cu.yd. fill, 1,500 yd. rein.-con., etc., to R. B. McKenzie, Gerber, $33,275.

**Calif., Ramona**—Directors Ramona Irrigation Dist., 3, 4 and 6 in. pipe, also trench, 8 and 10 in. pipe, to R. F. Ware, 2146 East 38th St., Los Angeles, approximately $19,412, 8 and 10 in. pipe, to Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, $6,312; 100,000 gal. tank r.w., to Pacific Tank & Pipe Co., 4820 Santa Fe Ave., Los Angeles, $2,335; also Chapman gate valves, to Western Metal Supply Co., 215 7th St., San Diego, $700.

**Ont., Hamilton**—F. F. Treleaven, mayor, City Hall, intake pipe for waterworks extension, to Russell Constr. Co., Harbor Administration Bldg., Toronto, $115,000. Noted Apr. 14.

## Sewers

### *Proposed Work*

**R. I., Providence**—Plans sewerage works in Slater Ave., Gorton, Nashua, Ray and Meridian Sts. $25,000 or more. Private plans.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Apr. 21, sewer in Beach 32nd St. Noted Apr. 14.

**Ill., Canton**—Defeated $40,000 bonds, 2 small disposal plants, sewers, laterals, extensions, etc. E. F. Motsinger, City Hall, engr.

**Ill., Lena** — Defeated $95,000 bonds, sewers in all streets. J. C. Lampert, pres. Village. Noted Apr. 15, 1926.

**Ill., Rockford**—Plans 7,084 ft. 6- to 30-in. concrete sewers in Bianca Court, 15th Ave. and 10 streets. $25,000. B. C. Harvey, City Hall, engr.

**Wis., Nekoosa** — Voted $35,000 bonds, sewage disposal plant. W. G. Kirchoffer, Dean Bldg., Madison, engr. Noted Dec. 16.

**Kan., Oxford**—See "Waterworks."

**Neb., Clarkson**—Making plans pipe line and disposal plant. To exceed $25,000. Nixon & Reynolds, Grain Exch. Bldg., Omaha, engrs.

**Neb., Grand Island**—Soon takes bids sewers in various streets. $39,000. K. Y. Craig, Grand Island, engr.

**Mo., New Madrid**—R. L. Jones, city clk., returned bids to have been opened Apr. 14, unopened 31,315 ft. 8- to 12-in. vitr. clay sewers, 50 manholes, 1 drop manhole, 13 flush tanks, etc. because of Mississippi flood. A. C. Moore, Joplin Natl. Bank Bldg., Joplin, engr. Noted Mar. 31.

**Mo., St. Louis**—See "Waterworks."

**Ark., Leachville**—See "Waterworks."

**Tex., Frankston**—See "Waterworks."

**Tex., Mission**—Election May 18, $30,000 bonds, storm sewers in various streets. Address G. Dohn, mayor.

**Tex., Waco** — Making plans extending and improving South Waco sanitary sewers. $37,000. V. G. Kock, city engr.

**Okla., Edmond** — Made plans sanitary sewer extensions in extending 25,700 ft. 8- to 12-in. vitr. clay sewers, etc. in South Ridge addition. $38,000. F. H. Peckham, 227 West Grand St., Oklahoma City, engr.

**Okla., Seminole**—Election May 16, $30,000 bonds, new sewage disposal plant and 7,700 ft. 15 in. vitr. clay outfall sewers in various streets. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Wash., Olympia**—Election May 17, $80,000 bonds, Swantown Trunk Sewer, 2,700 ft. 72 in. and 500 ft. 30 concrete pipe. C. I. Signer, city engr. Noted Feb. 24.

**Calif., Buena Park**—Voted $60,000 bonds, joint outfall sewer in connection with La Habra system. P. Pratt, Lake Habra, engr. Noted Apr. 7.

**Ont., Forest Hill**—Making plans 4 mi. 8 in. and up vitr. tile sewers in 10 roads, Lonsmount and Vesta Dr., Montclair, Deverall, Knockmore and Jackes Aves., $137,370. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

**Ont., Hamilton**—Making plans extending storm sewer in Wentworth St. from Barton to Cannon Sts. $45,000. W. McFaul, City Hall, engr .

**Ont., Toronto**—York Twp. plans 4 and 6 in. vitr. tile private sewer connections. $112,500. F. B. Goedike, 40 Jarvis St., engrs.

### *Bids Desired*

**N. Y., Granville**—May 23, by M. Rote-Rosen, Esq., village clk., Odd Fellows Bldg., East Main St., sewerage system and disposal works. R. C. Wheeler, 36 State St., Albany engr.; adv. E. N.-R. May 12. Noted Jan. 6.

**N. Y., Oyster Bay** — May 24, by Bd. Sewer Comrs. Oyster Bay Sewer Dist., Town Hall, sewerage system, Contr. 1, 2 and 3. S. B. Bowne, Mineola, engr. T. H. Wiggin, 415 Lexington Ave., New York City, consult. engr.; adv. E. N.-R. May 12.

**N. J., Delanco** — May 26, by Sewerage Com. Sanitary Dist. 1, Delanco Twp., approximately 8.6 mi. 5- to 15-in. terra cotta sewer, treatment plant and pumping station. Edgar & Wittwer, 723 Haddon Ave., Collingswood, consult. engrs.; adv. E. N.-R. May 12. Noted Mar. 17.

**D. C., Wash.** — May 24, by District Comrs., District Bldg., 18,560 ft. 10- to 48-in. sewer in various streets.

**S. C., Columbia**—May 19, by Mayor and City Council, 21,000 ft. 18- to 42-in., storm sewers, etc. in various streets. R. M. Porter, city engr. Noted Jan. 20.

**Fla., Pompano**—See "Waterworks."

**La., Winnfield**—May 25, by H. T. Willis, city clk., sanitary sewers, disposal plant, etc. $103,000. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Noted Apr. 7.

**Ky., Louisville** — July 7, by Comrs. of Sewerage, M. H. Crawford, chn., Bd. Trade Bldg., 4th and Main Sts., constructing 4th St. Relief Sewer, Contr. 33. Former bids rejected. J. B. F. Breed, ch. engr.; adv. E. N.-R. May 12. Noted Mar. 31.

**O., Bexley** (Columbus P. O.)—May 23, by S. W. Roderick, village clk., 560 ft. 24 in. and 870 ft. 33 in. vitr, also 50 ft. 36 in. corrugated sewer in Clifton Ave. $20,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engr.

**O., Cleveland**—May 18, by City, sewers in Rocky River Dr., Bellaire Rd. S. W., Broadview Rd., East 55th and West 19th Sts., Crossburn, Holmden, Larchwood, Lena, Memphis, Richmond, Wichita Aves. R. Hoffman, City Hall, engr.

**O., Columbus**—May 24, by W. H. Duffy, dir. Serv., 5,750 ft. 30 in. vitr., rein.-con. of circular shape or monolithic sewer, and 76,397 ft. 8- to 12-in. vitr. sewer, etc. in Glen Echo Section. $325,000. This corrects report in May 5 issue.

**O., Maple Heights** (br. Bedford)—May 16, by Village, constructing sewer in Center Rd. Outlet 3. $80,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

**O., Silver Lake** (mail Cuyahoga Falls)—May 31, by Village, sewers in 7 streets. $130,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

**Mich., Grand Rapids**—May 18, by F. H. Locke, city mgr., City Hall, East Side Trunk Sewer Contr. G-2, Sect. A, 2,470

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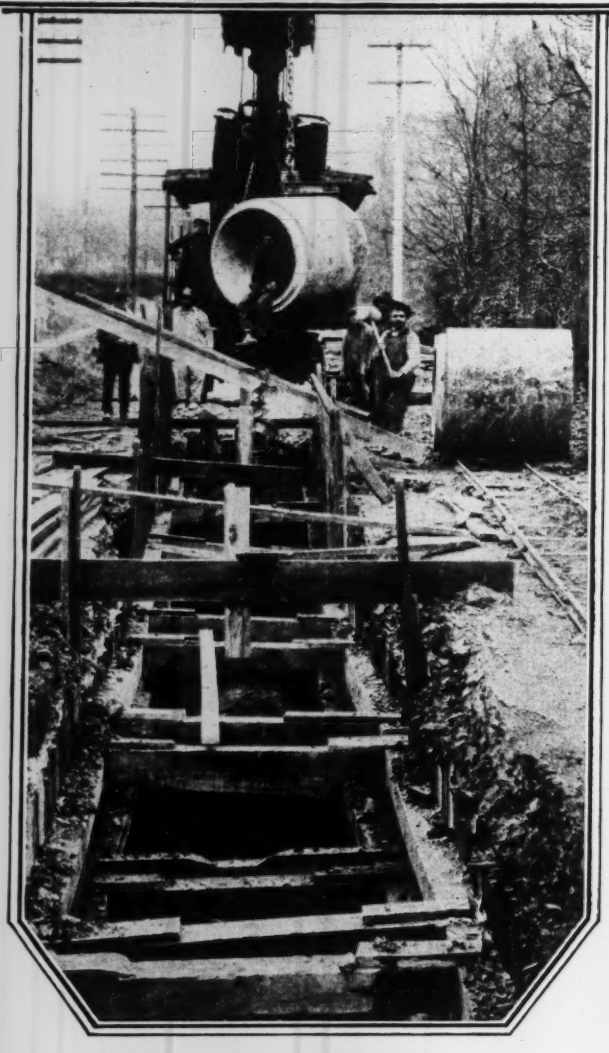
# INDEPENDENT



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Sewers (Continued)

ft. monolithic type rein.-con. sewer in abandoned canal bed, and Sect. B, 3,200 ft. 63 in. monolithic type rein.-con. sewer in Monroe Ave.

**Ill., Chicago**—May 17, by City, Room 207, City Hall, sewer drains in 37 various streets and avenues. M. F. Faherty, pres. Bd. Local Impvts.

**Tex., Jacksonville** — See "Contracts Awarded."

**Tex., Ralls**—See "Contracts Awarded."

### *Contracts Awarded*

**Mass., Gloucester** — Rein.-con. stone pumping station, to Simpson Bros. Co., 77 Summer St., Boston, $68,859, engrs. est. $70,000; also main intercepting sewer, to G. M. Byrne, 28 Church St., Winchester, $173,263, engrs. est. $140,000.

**R. I., East Providence** — Sewers and curbings in various streets, to J. McCormick, East Providence. Engrs. est. $25,000. Noted Mar. 10.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in 124th St., to A. Paino, 9215 Union Hall St., Jamaica, $320,314; 130th St., to Petracca & Peterson, Brooklyn, $29,677; 49th Rd., to Kennedy & Smith, Inc., Bradford St., Flushing, $219,203; and in 152nd St., to J. H. Johnson, $7,206. Grand total $576,400. Noted Apr. 14.

**Pa., Phila.**—Dept. Pub. Wks., Bureau of Engineering, main sewers in G St., to McIntyre Constr. Co., 6811 North Franklin St., $16,808; Tioga St., to W. H. Yetman, Lincoln Bldg., $152,337; outdoor electric sub-station, Southwest Sewage Treatment Wks., to W. V. Pangborne Co., 1927 West Montgomery St., $7,264; and grading at same station, to G. F. Dobbin, 1020 South 47th St., $17,579. Grand total $193,988. Noted May 5.

**Pa., Phila.**—Dept. Pub. Wks., Bureau of Engineering, constructing Sect. 3, Upper Delaware Collecting Sewer, open cut, to J. and R. Lombardi, Lincoln Bldg., $763,845. Noted May 5.

**Md., Baltimore**—Mayor and City Council, excavating trenches and laying mains in Cold Spring Lane from Underwood Road to point 100 ft. west of Kernwood Ave., to M. and J. B. McHugh, 3911 Woodbine Ave., $14,392.

**O., Akron**—W. F. Peters, dir. Pub. Serv., 1,710 ft. 24 in. vitr. clay sewer, etc., in Hawkins Ave., to F. George, 1657 Mahoning Ave., Youngstown, $27,250, engrs. est. $28,800; also 4,475 ft. 8- to 10-in. vitr. clay sewer, etc., Hawkins Ave. and Delia St., to McAlonan Bros., 506 Woodland Ave., $22,880, engrs. est. $21,300. Noted Mar. 31.

**O., Beechwood** (br. Cleveland) — To Marra Co., Union Trust Bldg., Cleveland, 1,915 ft. 12- to 24-in. vitr. tile sewer in Beachwood Blvd. $8,932, 2,080 ft. 12- to 24-in. Baintree Rd. $11,669, 2,250 ft. Groveland Rd. $12,188, and 1,110 ft. Edgehill Dr. $6,563; to Sprague & Burkhardt, 11811 Browning Ave., Cleveland, 1,260 ft. 12- to 24-in. Cedarview Rd., $8,341; to Curro & Whittaker, Engineers Bldg., Cleveland, 1,790 ft. 12- to 24-in. East Silsby Rd. $9,268, 2,550 ft. Greenlawn Rd. $1,424, and 1,330 ft. Woodway Rd. $7,170; also to George & Ameen Constr. Co., Erie Bldg., Cleveland, 2,285 ft. 8 in. Fenway Dr., $3,896. Grand total $69,451.

**O., Cleveland**—Cuyahoga Co., 16,000 ft. 8- to 54-in. rein.-con. sewer in West 31st St., Impvt. 110, to Sheets & Canfield Co., Columbus, $199,879.

**O., Cleveland**—For 1,200 ft. rein.-con. box sewer in Gregory Ditch, to Sheets & Canfield Co., Columbus, $32,532; 275 ft. 6 ft. 3 in., 672 ft. 4 in. and 275 ft. 3 ft. 9 in. brick sewer in West 159th St., to Manson Co., Engineers Bldg., $42,648; 680 ft. 12 in. vitr. tile sewer Division Ave., and 300 ft. Oak Ave., to A. George, 9813 Quincy Ave., $2,458 and $1,477 respectively, 320 ft. 12 in. Kipling Ave., to E. R. Courey, 3014 West 15th St. $1,264, and 660 ft. 12- to 24-in. Melville Ave., to Assad Constr. Co., 3129 Scranton Rd. $3,460. Grand total $83,839. Noted Mar. 31.

**O., Cleveland**—To J. Kahill & Jackson, Prospect Fourth Bldg., sewer in Berea Rd., $174,943; to Yahya Bros., 3333 Woodbridge Ave., in Buechner Ave. $12,894, Vandalia Ave. $34,435, West 35th St. $16,289; to Kassouff & Co., 2400 Althen Ave., in Glenshire Ave. $7,222, and West 174th St. $4,947; to N. F. Salem, 3462 East 140th St., Huntmere Ave., $4,023; to Union Constr. Co., 3701 Payne Ave., in Oak Park Ave. $13,315, West 62nd St. $4,610, West 63rd St. $4,799 and West 66th St. $4,684; to E. P. Langenhan Co., Marshall Bldg., in West 160th St., $7,999. Grand total $290,160.

**N. D., Rolla**—See "Waterworks."

**Tex., Henrietta**—Extending sewers, etc., in various streets, to Western Excavation Co., Wichita Falls, $27,000.

**Tex., Houston**—City, c/o O. F. Holcombe, mayor, storm sewers in 69th St. from Navigation Blvd. to Ave. N, Ave. N from 69th to 70th Sts., 70th St. from Navigation Blvd. to Ave. P, Ave. P from 70th to 71st Sts., and 71st St. from Navigation Blvd. to Ave. Q, to C. K. Horton, 2202 Clay Ave., $27,650. Engrs. est. $30,000.

**Tex., Jacksonville**—City will build sewage disposal plant, approximately ½ mi. outfall trunk sewer and pumping plant, by day labor. $65,000. H. L. Thackwell, city engr.

**Tex., Ralls** — City will build complete sewerage system by day labor, under supervision Municipal Eng. Co., engrs., 1107 Athletic Club Bldg., Dallas. $43,000.

**Calif., Los Angeles** — Constructing La Brea Storm Drain System, to W. F. Peck, 1120 Las Palmas St., $369,975. Engrs. est. $421,500.

## Waste Disposal

### *Proposed Work*

**N. Y., Wellsville** — Village, Water & Light Dept., E. J. Rowe, supt., plans issuing bonds, 25 ton garbage incinerator. L. H. Wyant, City Hall, clk.

**Que., Chicoutimi**—Making plans incinerator. $40,000. B. Pilletier, Chicoutimi, engr.

### *Contracts Awarded*

**Minn., Minneapolis** — F. S. Gram, city purch. agt., 50 steel garbage tanks, to Moorhead Machine & Boiler Co., 131 Holden St., $2,950.

## Bridges

### *Proposed Work*

**Mississippi**—See "Streets and Roads."

**Kentucky**—Rogers Bros. Constr. Co., Lexington, plans two 100 ft. and one 125 ft. span concrete bridge on stone piers over Green River, on highway between Louisville and Henderson, Hardin and Davis Counties. G. R. Spalding, 22 Napolean Bldg., Louisville, engr.

**Ind., Plymouth** — Comrs. Marshall Co. plan new concrete bridge over Yellow River, on Jefferson St. $45,000.

**Ill., Chicago**—Cook Co. making plans 7 span 350 ft. concrete bridge, 54 ft. over Des Plaines River, at 47th St. G. A. Quinlan, County Bldg., engr.

**Kan., Russell**—See "Streets and Roads."

**Kan., Wamego**—Wabaunsee Co. (Alma) and Pottawatomie Co. (Westmoreland), received no bids Apr. 19, Wamego Bridge, six 150 ft. span high truss steel bridge, or seven 128 ft. marsh rainbow arch spans and approaches, etc., on Federal Aid Project 243, Sect. A, here. Letting postponed indefinitely. L. E. Whearty, Westmoreland, and F. Itz, Alma, engrs. Noted Apr. 7.

**Mo., St. Louis**—J. R. Scott, et al., Merchants Laclede Bldg., take bids in July or August, 15 span, approximately 5,200 ft. bridge over Mississippi River, near Chain of Rocks Water Works Station. $2,250,000. B. L. Brown & E. B. Fay, Merchants Laclede Bldg., engrs. Noted Feb. 17.

**Arkansas**—See "Railways."

**Texas** — Anderson Co. (Palestine) and Cherokee Co. (Rusk) take bids after May 15, 280 ft. rein.-con. and steel bridge across Neches River, on Highway 43. $280,000. E. W. Davis, Palestine, engr. Anderson Co.

**Tex., Anderson** — See "Streets and Roads."

**Tex., Chappel Hill** — Washington Co. (Brenham) and Waller Co. (Hempstead) takes bids about May 15, steel and rein.-con. bridge across Brazos River, here. $315,000.

**Tex., Floresville** — Wilson Co., C. B. Stevenson, judge, making plans 10 span 240 ft. steel and concrete bridge across Cibolo River. $40,000. F. E. Hess, Floresville, engr.

**Tex., Graham**—See "Streets and Roads."

**Tex., Refugio**—See "Streets and Roads."

**Tex., Rockport**—See "Streets and Roads."

**Tex., Rule**—Haskell Co. (Haskell), c/o J. G. Foster, judge, Haskell, making plans approximately 110 ft. timber bridge over Brazos River, on Highway 107, west of here. $25,000.

**Ont., Walkerville** — City Council and Canadian Natl. Ry., New Union Sta., Toronto, T. T. Irving, ch. engr. (Central Region), plan new bridge, at Sandwich St., here. $35,000. A. Patterson, City Hall, engr.

### *Bids Desired*

**Mass., Concord**—May 16, by Town Road Comrs., wooden pile bridge over Assabet River, Concord Junction. $25,000. J. M. Keyes, Everett St., chn.

**R. I., Pawtucket** — May 19, by Bridge Dept., concrete bridge over Ten Mile River. G. A. Carpenter, city engr. Noted Aug. 5.

**New York and New Jersey**—May 31, by Port New York Authority, 75 West St., New York City, constructing New Jersey anchorage and approach to Fort Lee-Fort Washington Bridge over Hudson River; adv. E. N.-R. May 12.

**Pa., Westport**—May 20, by Comrs. Clinton Co., Lock Haven, 2 span 226 ft. rein.-con. bridge, 40 ft. over Kettle Creek, on Highway Route 105, here. C. J. Messerly, Lock Haven, co. clk.

**Maryland** — May 17, by State Roads Comn., Baltimore, one single 20 ft. span rein.-con. slab bridge over Jones Mill dam, Contr. Wo-50, Worcester Co.; double 22 ft. span rein.-con. slab bridge with street car tracks over Carroll Creek, on South Market St., Contr. F-104, Frederick Co.; and 56 ft. span rein.-con. arch bridge over Little Gunpowder River, on Harford Rd., Contr. B-83, Baltimore Co. J. N. Mackall, chn.; adv. E. N.-R. May. 12.

**North Carolina**—May 17, by State Hy. Comn., Raleigh, rein.-con. bridges, etc., on Project 6370, Iredell Co., $31,500; on Project 789, Wilkes Co., $50,700; on Project 733, Davie Co., $36,600; and on Project 560, Montgomery Co., $32,500. L. R. Ames, Raleigh, engr.

**O., Akron** — May 26, at office W. F. Peters, dir. Pub. Serv., City Hall, constructing superstructure Exchange St. Viaduct between Bway. and Grant Sts.; and reconstructing floors of Mill St. and Prospect St. bridges over railroad tracks. E. A. Kemmler, ch. engr.; adv. E. N.-R. May 12.

**O., Cincinnati**—May 25, by C. O. Sherrill, city mgr., remodeling and strengthening 22 span 1,500 ft. viaduct, 52 ft. wide, 36 ft. roadway, at Harrison Ave., by constructing complete new rein.-con. deck and roadway, installing additional bracing, straightening columns out of plumb and providing additional foundations, etc. $254,500. H. F. Shipley, City Hall, engr.

**Ind., South Bend**—May 16, by Comrs. St. Joseph Co., Combination 1, 2 bridges over Pine Creek, one on Usher Rd., and other on Willow Rd., in Lincoln Twp.; Combination 2, 2 rein.-con. bridges over Stock Ditch, one on Pierce Rd. and other on Linden Rd., Combination 3, rein.-con. bridge on Pine Rd. south of Leman Rd. in Greene Twp. and box culvert over Kane ditch lateral on Quinn Rd. east of Sage Rd. in Liberty Twp.; Bid 4, rein.-con. girder bridge over Yellow Bank Creek, on Bremen Highway, in Madison Twp. C. Sedgwick, South Bend, aud.

**Ill., Chicago** — May 26, by Bd. Local Impvts., City Hall, east and west substructure and superstructure 175 ft. span double leaf bascule bridge, 90 ft., on Roosevelt Rd. $2,300,000. T. J. Phildfeldt, City Hall, engr. Noted Apr. 21.

**Ia., Mason City**—May 18, at office Cerro Gordo Co., one 140 ft. high truss bridge, one 60 ft. pony truss bridge and one 40 ft. I-beam bridge. R. E. Robertson, Mason City, co. engr.

**Ia., New Hampton** — May 17, at office Auditor Chickasaw Co., one 2 span 90 x 20 ft. pony truss bridge, raising one 60 x 20 ft. pony truss and one 100 x 20 ft. high truss bridges, also adding two 40 x 20 ft. I-beam approach spans. O. W. Zack, New Hampton, co. engr.

**Tex., Roma** — Starr County Bridge Co., c/o A. Y. Baker, pres., Edinburg, taking bids 630 ft. steel suspension bridge over Rio Grande River, incl. earth approaches on both sides. $100,000. O S. Orozco, Brownsville, engr. Noted Apr. 7.

### *Contracts Awarded*

**New York**—A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)**, reconstructing 24 ft. span bridge, Repair Contr. 1573, Highway 467, Newport-Norway-Cold Brook Rd., Herkimer Co., to H. W. Batchelder, Herkimer, $7,030 e. e. $8,554, and 70 ft. span bridge Repair Contr. 1585, Highway 5179, Schroon Lake-North Hudson Rd., Essex Co., to L. Mayersohn, Albany, $29,792 e. e. $39,236; also constructing 2 span concrete arch bridge 0.1 mi. Highway 1753 Corfu-Indian Falls Rd., Part 2, Genesee Co., to Ingersoll & Barhito, Medina, $46,658 e. e. $58,428. Grand total $83,480. Noted Apr. 14 under "Streets and Roads."

**N. Y., New Rochelle**—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, 3 stone faced rein.-con. bridges at Wilmot Rd., River Rd., and River Bridge-P, in

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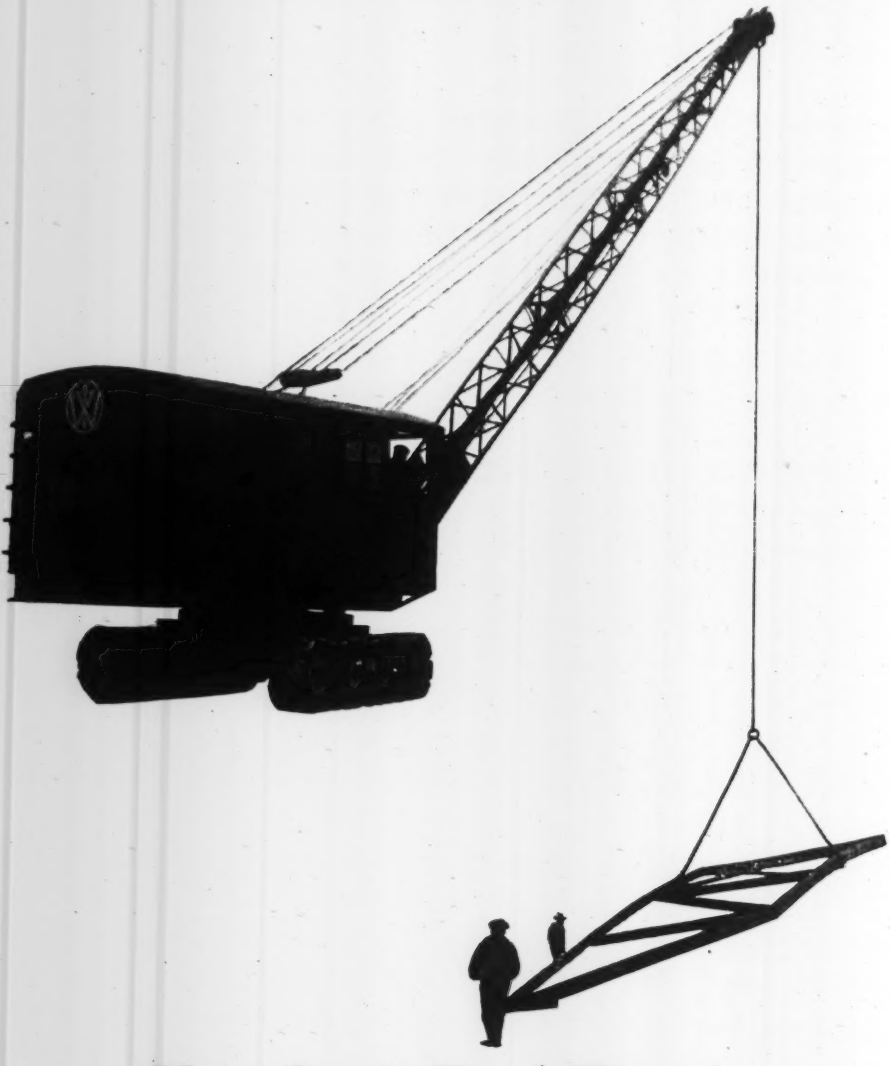

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Pittsburgh, Pennsylvania Federal Reserve Building
San Francisco, Calif. Monadnock Building
St. Louis, Mo. Railway Exchange Bldg.
Tampa, Florida 823 S. Oregon Ave.

Bridges (Continued)

Hutchinson River Parkway, town of Eastchester, here, to L. E. McLaughlin, 217 Jefferson Ave., New London, Conn., $133,086. Noted Apr. 14.

**N. Y., New Rochelle** — Westchester Co. Park Comm., 72 Pondfield Rd., Bronxville, stone and concrete bridge to carry Hutchinson River Parkway over tracks of New York, Westchester & Boston Ry., south of Quaker Ridge Station, here, to Arboria Road Constr. Co., 408 Main St., Hartford, Conn., $94,925. Noted Apr. 7.

**O., Dayton**—F. A. Kilmer, clk. Montgomery Co., May 5, two 204 ft. span rein.-con. arch highway bridge, etc., over Stillwater River, at Ridge Ave., to Glen Wiley Constr. Co., Gibbons Arcade, $101,868. Engrs. est. $160,000. Noted Mar. 31.

**O., Troy**—Miami Co., substructure bridge, to Moyer Bros., Troy, $3,216, and superstructure, to Oregonia Bridge Co., Lebanon, $29,475. Engrs. est. $30,000.

**Ind., Goshen**—C. A. Croop, aud. Elkhart Co., 3 span rein.-con. arch bridge over St. Joseph River, to Miller-Taylor Co., Waterloo, Ia., $173,784, 2 bridges, to Elkhart Bridge & Iron Co., Elkhart, $27,490; and bridge on West Lincoln Ave., to Riethe-Riley Constr. Co., Goshen, $72,000. Grand total $273,274. Noted Mar. 31.

**Ind., Terra Haute**—Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., A. C. Shand, ch. engr., constructing new double track bridge over Wabash River, here, to Drayo Contg. Co., 302 Pennsylvania Ave., Pittsburgh, Pa. Engrs. est. $1,000,000. Noted Sept. 30.

**Michigan** — McClintic-Marshall Co., designers and contractors, Oliver Bldg., Pittsburgh, Pa., for 1,850 ft. highway suspension bridge over Detroit River from Detroit to Windsor, Ont., started construction on May 7 by making borings at foundation sites. Pennsylvania Drilling Co., 1812 West Carson St., Pittsburgh, Pa., is subcontractor for the drilling. Total est. cost $20,000,000. Noted Oct. 29, 1925.

**Kan., Marion**—See "Streets and Roads."

**Wyoming**—See "Streets and Roads."

**Texas**—See "Railways."

**Okla., Agawam** (mail Ninnekah)—Grady Co., 1 span 120 ft. steel truss bridge on concrete piers, here, to Southwestern Culvert Co., Southwest Natl. Bank Bldg., Oklahoma City, $28,969. Engrs. est. $30,000.

**Calif., Oakland** — Alameda Co., bridge over Arroyo de la Laguna, to Baldwin Bros., 1809 Spruce St., Berkeley, $52,706.

# Dams

## Proposed Work

**Mo., Piedmont**—Black River Hydro-Electric Co., W. H. Meredith, vice-pres., Poplar Bluffs, takes bids about June 29, hydro-electric power plant, dam 2,000 ft. long on top and 1,400 ft. at bottom, 140 ft. high, developing 10,000 kw. hp. and form 22,000 acre lake. $4,000,000. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engrs. Noted Feb. 24.

**Tex., San Angelo**—Pecos Valley Utilities Co. (subsidiary of Kansas City Light & Power Co., 14th and Grand Ave., Kansas City, Mo.), making preliminary surveys, etc., concrete dam across Pecos River below here. $200,000. Private plans.

## Contracts Awarded

**Mexico, Tamaulipas**—Irrigation Comn., Mexican Govt., Mexico City, irrigation dam in Salado River, here, to J. G. White Eng. Corp., 43 Exchange Pl., New York City, N. Y. Engrs. est. $6,000,000.

# Railways

## Proposed Work

**Tennessee**—Nashville, Chattanooga & St. Louis R.R. Co., Nashville, H. McDonald, ch. engr., plans 5,431 ft. branch railroad in Sequatchie Co.

**Montana**—Northern Pacific R.R. Co., H. E. Stevens, ch. engr., Ry. Exch. Bldg., St. Paul, plans 64 mi. branch line between Glendive and Brockway, here. $2,550,000.

**Arkansas** — Mississippi River Western R.R. Co., c/o R. E. L. Wilson, pres., Wilson, making preliminary plans 80 mi. railroad complete with bridges, culverts, etc. from near Wilson to Harrisburg.

**Oklahoma and Texas**—Clinton & Oklahoma Western R.R. Co., Wichita Falls, Tex., R. A. Thompson, ch. engr., plans 90 mi. railroad from Cheyenne, Okla. to Pampa, Tex.

**Oklahoma** — Chicago, Rock Island & Pacific R.R. Co., La Salle Street Sta., Chicago, Ill., C. A. Morse, ch. engr., making preliminary plans 10,000 ft. new passing and yard tracks at Bilby and Holdenville, here. $45,000.

**Oklahoma** — Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., plans 7 mi. double track from Seminole to Lima, incl. laying 90 lb. rails, here. $250,000.

## Bids Desired

**Kentucky**—See "Contracts Awarded."

**Kansas**—See "Contracts Awarded."

## Contracts Awarded

**New York**—Dept. Correction, Pub. Wks. Bldg., Albany, tracks and trestle at Matteawan State Hospital, Beacon, Dutchess Co., to M. A. Murray, 251 River St., Troy, $67,144. Noted Apr. 14.

**Kentucky**—Louisville & Nashville R.R. Co., Louisville, W. H. Courtenay, ch. engr., will build 1,000 ft. connecting railroad widening short culvert on bridge, and underpass, by day labor. Engrs. est. $87,000.

**Kansas**—Pub. Serv. Co., 1501 Grand Ave., Kansas City, Mo., A. E. Harvey, ch. engr., will repair old tracks and build new tracks on Chelsea Rd. from 8th to 11th Sts. in Kansas City, here, by day labor. To exceed $25,000.

**Texas**—Acme, Quanah & Pacific R.R., C. H. Sommer, pres., Friscoe Bldg., St. Louis, Mo. (subsidiary St. Louis-San Francisco R.R. Co., F. G. Jonah, ch. engr., Frisco Bldg., St. Louis, Mo.), 28 mi. main line and 2½ mi. side track, incl. grading, laying track, culverts, bridging, etc., from McBain to Floydada, here, to Lone Star Constr. Co., Alamo Bank Bldg., San Antonio. Engrs. est. $1,132,000. Noted Mar. 31.

# Excavation, Drainage, Irrigation, Levees, River and Harbor

## Proposed Work

**Mass., Lynn**—City, R. S. Bauer, mayor, plans dredging and probably granite block bulkhead. $700,000. Engineer not selected.

**Okla., Gate**—Syndicate, c/o R. O. Coffock, made plans 200,000 acre ft. impounding reservoir on Canadian River, here. $2,000,000. E. E. Blake, Terminal Bldg., Oklahoma City, engr.

**Calif., Palos Verde**—Pacific Yacht Club, c/o Palos Verdes Estates, Lane Mortgage Bldg., Los Angeles, plans seawall, pier and breakwater in connection with club improvements. To exceed $25,000. F. B. Smith, 58 Sutter St., San Francisco, engr.

**Ont., Parkhill** — McGillivray Twp. soon takes bids excavating, dredging and deepening Aux Sables River. $55,000. F. W. Farncombe, Dominion Sayings Bldg., London, engr.

## Bids Desired

**New York**—June 3, by T. F. Farrell, comr. Canals & Waterways, Albany, furnishing and placing bank protection at various locations in Erie Canal, from point 3½ mi. east of Vischer Ferry to point ¾ mi. east of Lock 10, Contr. 235; adv. E. N.-R. May 12.

**N. Y., New York**—May 17, by M. Cosgrove, comr. Docks, Pier A, Battery Pl., North River, constructing bulkhead wall for Pier (New) 3, North River; dredging and disposal of material; bulkhead platform with wall; depositing riprap, etc., at foot Morris St., North River, Manhattan Boro.

**N. Y., Tully**—May 27, by Solvay Process Co., Syracuse, sinking mine shaft, near here; adv. E. N.-R. May 12.

**Ill., Beardstown** — May 25, at office L. Small, dir. Dept. Purchases & Constr., Springfield, constructing Beardstown Levee, Cass Co. M. G. Barnes, ch. engr.; adv. E. N.-R. May 12.

**Ill., Seymour**—May 20, by C. Pfiester, C. E. Wigton & C. T. Seymour, comrs. Camp Creek Special D. D. Champaign Co., Urbana, furnishing, hauling and laying 6,158 ft. 8- to 16-in. salt glazed farm drain tile, 21 catch basins, etc., here.

**Ia., Cedar Rapids** — May 26, by L. J. Storey, city clk., concrete river wall, etc.; adv. E. N.-R. May 12.

**Calif., Los Angeles**—May 18, by F. B. Cole, genl. mgr. City Harbor Dept., removing 800 yds. submerged Weldt Rock Reef, approximately 1,650 yd. southeast Dead Mans Island.

**Quebec**—May 13, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., dredging St. Francois River, Nicolet, $19,100; and St. Pierre les Becquets, $6,600, here.

**Ontario**—May 16, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging Toronto, $31,000; Port Hope, $15,000; and Cobourg, $20,000.

**Ontario**—May 18, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging Collingwood, $20,000; Owen Sound, $30,000; Midland, $125,000; and Honey Harbor, $7,000.

**Ont., Sault Ste. Marie**—May 18, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging, here. $60,000.

## Contracts Awarded

**N. Y., Brooklyn** — Williamsburg Savings Bank, 175 Bway., demolition and excavating 36,000 cu.yd., for 16 story, 100 x 200 ft. bank and office building, Hansom and Ashland Pls., to W. Kennedy Constr. Co., 215 Montague St. Archts. total est. $600,000. Noted Feb. 17 under "Buildings—Commercial."

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., public beach along ocean front, incl. bulkheads, etc., from Beach 25th to 54th Sts., to W. H. Gahagen Realty Co., 147 Remsen St., Brooklyn, $626,817. This corrects report in Apr. 21 issue.

**N. Y., Rockaway Park** (mail Arverne)—Park Bd., Dept. Parks, Arsenal Bldg., Central Park, New York City, constructing timber bulkhead and jetties, placing sand fill, etc., along Beach front from Beach 109th to 126th Sts., here, to Muccinni & Decker, Inc., 6102 18th Ave., Brooklyn, $176,600. Noted May 5.

**Ia., Garner**—Hancock Co., drainage work in D. D. 130, to reclaim 3,000 acres farm land, to L. Davis, Mason City, $30,500.

**Calif., Martinez** — Reclaiming 47 acres water front lands, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, approximately $69,525.

**Ont., Hamilton**—See "Unclassified under Proposed Work."

# Streets and Roads

## Proposed Work

**N. H., Claremont**—Sullivan Co. plans 6 in. rein.-con. on 8 in. gravel paving 21,392 sq.yd. Central Rd. $89,000. L. F. Johnson, Lebanon, engr.

**Mass., Adams**—Plans paving Spring St. from Dean to Pleasant Sts. $25,000 appropriated.

**Mass., Boston**—Dept. Pub. Wks., rejected bids Apr. 21, sheet asphalt or bituminous macadam paving various streets in Ward 22. $25,000. Will probably readvertise. J. H. Sullivan, comr. Noted Apr. 14.

**Mass., Boston**—Dept. Pub. Wks., rejected bids Apr. 12, sheet asphalt or bituminous macadam paving Eldridge Rd., Ward 19, Midvale, Pierpont and Russet Rds.; Ward 20. $25,000 bonds. Will probably readvertise. Noted Apr. 7.

**Mass., Brighton** (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing Western Ave. from Market St. to Soldiers Field Rd., here. To exceed $25,000. J. H. Sullivan, comr.

**Mass., Medford** (br. Boston)—Plans constructing 15 new streets. $125,000. Private plans.

**Mass., Melrose** (Ind. br. Boston)—Plans permanent construction 2 highways. $45,000 appropriated. Private plans.

**Mass., Milton** — Plans reconstructing Brook and Edgehill Rds. as highways. $25,000. Private plans. Noted Mar. 24.

**Connecticut and New York**—State Hy. Dept., Hartford, Conn., plans 50 mi. new trunk highway known as "Merritt Boulevard" from Washington Bridge, Stratford, Conn., to New York State line at Port Chester, 100 ft. $5,000,000. J. A. MacDonald, highway engr.

**New York**—A. W. Brandt, comr. Highways, Albany, rejected bids Apr. 29, reconstructing 5.25 mi. Repair Contr. 1582, Highway 1010, Livonia Village, 717 Livonia-Ontario Co. Line Rd., Livingston Co. Noted Apr. 14.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Apr. 21, grading and sheet asphalt on concrete paving Central Ave., etc. Noted Apr. 14.

**N. J., Woodbridge** — Woodbridge Twp. plans bituminous paving Main St. $30,000. Address Mayor Ryan.

**Pa., Pittsburgh**—Soon takes bids grading, curbing and paving Mt. Royal Rd. be-

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Streets and Roads (Continued)

tween Forward Ave. and Panend Rd., $40,200; and Flemington Ave. between Beechwood Blvd. and Murray Ave., $28,000. City Dept. Pub. Wks., City County Bldg., engrs.

**Pa., Stoney Creek** (Johnstown P. O.)—May 16, by H. Custer, boro secy., Oakland St. and Scott Ave., grading, curbing, paving, etc. 6,000 ft. Penrod, Bridge, Russell and Hogback Highways, 20 ft. $40,000. O. P. Thomas, Park Bldg., Johnstown, engr.

**W. Va., Middlebourne**—Union Dist. election May 16, $75,000 bonds graveling roads in Tyler Co. G. R. Clarke, Middlebourne, co. engr.

**W. Va., Middlebourne** — Lincoln Dist. voted $75,000 bonds, improving roads in Tyler Co. J. E. Smith, co. clk. Noted Apr. 14.

**W. Va., Richwood**—May 14, by City, R. E. Wade, recr., grading, bituminous macadam paving, etc. 1.65 mi. West Main St., 16 and 26 ft.

**W. Va., Spencer**—Geary Dist. election soon $174,500 bonds, improving roads in Roane Co. L. B. Greathouse, Spencer, engr.

**Fla., Ocala** — Comrs. Marion Co. sold $500,000 in road bonds, for 450 mi. county highway system.

**Mississippi**—State Hy. Dept., Jackson, takes bids in summer improving road from Brookhaven through Watson to point near Beauregard and bridges on same, Federal Aid Project 89-A and B, 72,583 cu.yd. excav., 14,467 cu.yd. borrow, 1,080 ft. 18 in. culvert pipe, 63,675 lb. reinforcing, 20,762 cu.yd. gravel 1 mi. haul, 28,586 units overhaul, 3.94 mi. Bermuda sod, 1,280 ft. foundation piling, etc., $80,000; and Fayette-Port Gibson Rd., 19.2 acres clearing and grubbing, 44,447 cu.yd. excav., 25,597 cu.yd. borrow, 562 ft. 18 in. culvert pipe, 77,469 lb. reinforcing, 23,187 cu.yd. gravel 1 mi. haul, 116,875 units overhaul, 6.71 mi. Bermuda sod, 85,628 ft. treated and 3,024 ft. untreated lumber, 3,440 ft. creosoted piling, etc., $115,000. H. C. Dietzer, Jackson, highway engr.

**Miss., Jackson**—Bd. Supervs. Hinds Co. postponed indefinitely taking bids improving 7.575 mi. Federal Aid Project 184-B. H. C. Dietzer, Jackson, engr. Noted Apr. 14.

**O., Columbus**—Franklin Co., O. Moore, clk., soon takes bids grading and paving, etc., 1.989 mi. Cooper Rd., waterbound macadam $52,128, 2.65 mi. Briar Rose Ave., Cardinal Court, Maplewood, North Bay and Lakewood Dr., Wildwood and Woodley Rds., bituminous concrete $125,200, or sheet asphalt $37,300, all foregoing in Blendon Twp.; 0.925 mi. Indianola Rd. waterbound macadam $32,727, bituminous macadam $40,573, 3.864 mi. Kropp and Ferris Rds., waterbound macadam $75,833, also 5.62 mi. Agler, East Jeffrey, East Royal Forest, and East Beachwold Rds., bituminous macadam $274,681, all foregoing in Mifflin Twp.

**O., Springfield**—Bd. Control soon takes bids improving High St. from Dayton Ave., to Walter St. $35,704. L. C. Lucas, Springfield, engr.

**Ill., Dixon**—Plans grading, curbing and concrete paving 1 mi. streets on north side Rock River, 24 ft. $50,000. T. Clayton, City Hall, engr.

**Ill., Galesburg**—Plans grading, curbing, guttering and vertical fibre brick paving East 2nd and South Cherry Sts., et al. $62,487. A. L. Richey, City Hall, engr.

**Ill., Moline**—Plans concrete sidewalks on 100 blocks various streets. $28,185. R. M. Benell, City Hall, engr.

**Ill., Peoria**—Plans grading, curbing and vitr. brick on concrete paving 4 blocks West Bell Ave., 28 ft. $28,672. W. E. Backes, City Hall, engr.

**Ill., Peoria**—Plans grading, curbing and rein.-con. paving 8 blocks Shipman St., 22 ft. $29,437. W. E. Backes, City Hall, engr.

**Ill., Princeton**—Plans grading, curbing, concrete, brick on concrete, macadam or stone surfaced concrete paving 1 mi. Clark and Chestnut Sts., 25 ft. $65,000. R. L. Schoenberger, Princeton, engr.

**Ill., Rockford** — Winnebago Co. plans graveling 6 mi. roads in Cherry Valley and Laona Twps., 18 ft. $36,000. A. R. Carter, Court House, supt.

**Ill., Rockford** — Plans grading, curbing and rein.-con. paving 16 blocks 17th St., 29 ft. $80,000. B. C. Harvey, City Hall, engr.

**Kan., Kansas City** — Wyandotte Co. making plans concrete paving 5 mi. Bonner Springs-Victory Highway; and soon takes bids 4 mi. Leavenworth Rd., both 18 ft. To exceed $50,000. O. K. Williamson, Kansas City, engr.

**Kan., Russell** — Russell Co. soon takes bids grading, bridging, etc. 6.263 mi. Federal Aid Project 301-E, 28 ft. F. S. Gilmore, Court House, engr.

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**Mo., Kansas City**—Jackson Co., election soon, bonds to exceed $75,000, extending Blue Ridge Blvd., improving 43rd St., and constructing North-to-South County Highway. Black & Veatch, 700 Mutual Life Bldg., engrs.

**Ark., Bentonville** — Making preliminary plans grading, curbing and rein.-con. paving, etc. 0.5 mi. Paving Dist. 3, 26 ft. $30,000. R. B. Reeves, City Hall, engr.

**Ark., Camden** — Ouachita Co. plans graveling various roads. $90,000.

**Ark., Hope**—Soon takes new bids paving 21,276 sq.yd. Paving Dist. 6, also 14,418 sq.yd. rein.-con. gutters, 23,955 ft. concrete curbing, 11,400 cu.yd. grading and 1,970 ft. 12 to 24 in. culvert pipe in Paving Dist. 2. Former contract rescinded. W. T. Field, 338 Gazette Bldg., Little Rock, engr. Noted Mar. 10.

**Texas**—Goliad Co. (Goliad) election May 28, $1,250,000 bonds, hard paving all unpaved main roads. Address J. A. White, Goliad, judge.

**Tex., Amarillo**—Potter Co., election May 18, $500,000 bonds, constructing 35 mi. trunkline from Amarillo to oil fields, 18 or 20 ft. Engineer not selected.

**Tex., Anderson** — Grimes Co. takes bids after May 12, grading and bridging 5.56 mi. Highway 3. $68,700. O. A. Seward, Jr., Navasota, engr.

**Tex., Athens** — Henderson Co. election soon, $1,500,000 bonds, hard paving 70 mi. main unpaved roads. Address G. H. Curlee, Athens, judge.

**Tex., Bay City**—Matagorda Co., election May 21, $3,000,000 bonds, permanent paving 80 mi. main unpaved roads. Address A. Harris, Bay City, co. judge.

**Tex., Brownsville**—Cameron Co. making plans concrete paving 3.5 mi. Highway 100, 18 ft. $100,000. W. O. Washington, Brownsville, engr.

**Tex., Ft. Worth** — Tarrant Co. making plans grading, graveling, etc. 9 mi. road from Andersons Corner to Grapevine, 16 ft. $70,000. D. A. Davis, Ft. Worth, co. engr.

**Tex., Graham**—Young Co., election May 23, $1,200,000 bonds, grading, bridging and paving main unpaved roads. Address W. F. Parsley, Olney, co. judge.

**Tex., Hearne**—Election May 17, $35,000 bonds, paving various streets. Address Mayor.

**Tex., Henrietta**—Clay Co., c/o J. P. Williams, judge, election May 17 (tentative), $750,000 bonds, constructing North and South Highway through county. R. W. Ridinger, Henrietta, engr.

**Tex., Jourdanton**—Atascosa Co., election May 14, $250,000 bonds, paving Road Dist. 2. Address E. D. Scott, Jourdanton, co. judge.

**Tex., Kountze** — Hardin Co. takes bids after May 18, shell and gravel surfacing 3 mi. Highway 40. $30,000. Address A. L. Bevil, Kountze, judge.

**Tex., Linden**—Cass Co. making plans 1 in. rock asphalt on 13 in. stone paving 5.64 mi. Highway 8 from Douglasville to point near Frazier Creek, $110,000, also 7.44 mi. same road from point near Frazier Creek to here, $122,500, both 18 ft. F. E. Hess, Linden, co. engr.

**Tex., Mercedes**—See "Unclassified."

**Tex., Mission**—Election May 18, $40,000 bonds, permanent paving streets in business and residential district. Address G. Dohn, mayor.

**Tex., Panhandle**—Election May 18, $65,000 bonds, paving various streets. Address J. F. Harper, city mgr.

**Tex., Plemons**—Hutchinson Co., defeated $1,250,000 bonds, paving main unpaved roads. W. R. Goodwin, Plemons, co. judge. Noted Apr. 7.

**Tex., Port Lavaca**—Calhoun Co. making preliminary surveys, etc. cleaning, grading, hard paving, etc., 30 mi. Hug-to-Coast Highway. Address E. M. Tanner, Port Lavaca, judge.

**Tex., Refugio**—Refugio Co. made plans grading, bridging and high type paving 15 mi. Highway 113, Rockport-Tivola Rd. from Aransas Co. line to Tivola. $320,000. Address T. W. McGuill, Refugio, judge.

**Tex., Rockport** — Aransas Co. making plans grading, bridging and paving 20 mi. Highway 113, Rockport-Tivola Rd. from Rockport to Refugio Co. line. $545,000. Address J. A. Harper, Rockport, co. judge.

**Tex., San Antonio**—Making plans permanent paving Barrett Pl. from Somerset Rd., to Clarissa St., $26,000; Carson St. from Austin St., to New Braunfels Ave., $55,000; and Guadalupe St. between Laredo and Brazos Sts., $42,000. I. Ewig, city engr.

**Tex., San Antonio**—Harlandale Building Co., c/o T. Barrett, 6200 Blk. South Presa St., soon takes bids hard paving 2½ mi. Mayfield Blvd. outside city limits. $40,000. Private plans.

**Tex., Wichita Falls**—Wichita Co., c/o E. W. Nicholson, judge, plans election $1,000,000 bonds, hard paving various roads. J. M. Isbell, Wichita Falls, co. engr.

**Oklahoma**—State Hy. Dept., Oklahoma City, rejected bids Apr. 12, concrete surfacing, etc., 31,680 sq.yd. State Aid Project 455-A and B, Bryan Co. $80,000, and 10,978 sq.yd. State Aid Project 399, Woods Co. $36,000; also grading, etc., 14.03 mi. State Aid Project 338, Alfalfa Co., $50,000. J. M. Page, highway engr. Noted Apr. 7.

**Okla., Oklahoma City** — Oklahoma Co. made preliminary plans improving 5.6 mi. Wheatland Rd., Roads 7 and 9, 66 ft. $750,000. Work will be done under supervision State Hy. Dept., Oklahoma City, J. M. Page, highway engr.

**Wash., Mt. Vernon**—Comrs. Skagit Co. takes bids about May 18, constructing Darrington-Sauk City Highway. $30,000 appropriated. R. E. Knapp, Mt. Vernon, engr.

**Calif., Los Angeles**—Making plans 6 in. concrete paving and sewers in approximately 2 mi. Hubbard St.; curbing, walks and 6 in. concrete paving, etc. Hauser Blvd. and Blackwelder Impvt. Dist.; curbing, guttering, walks and 6 in. concrete paving 118,035 sq.ft. and 5 in. concrete paving 140,502 sq.ft. Brunswick Ave. and Los Feliz Blvd. Impvt. Dist.; curbing, walks, 8 in. concrete paving 992,218 sq.ft., and 6 in. concrete paving 23,771 sq.ft. San Fernando Rd.; Willite paving with 5 ft. oiled shoulders 1½ mi. Nordoff St.; Willite paving approximately 3 mi. Lassen St.; also curbing, guttering, walks and 2 in. Willite asphaltic concrete on 3 in. asphaltic concrete paving, etc. 1,000 ft. Locust St. J. Shaw, city engr.

**Calif., Los Angeles**—Los Angeles Co. made plans guttering, walks, concrete paving, and grading 3,158 cu.yd. portion Vermont Ave. Impvt. 501. G. W. Jones, Hall of Records, engr.

**Ont., Leamington** — Making plans and takes bids about May 20, concrete paving Edward, Ivan, Selkirk and Oak Sts. $40,000. J. J. Newman, Davis Blk., Windsor, engr.

**Que., Three Rivers**—Making plans 50,000 ft. sidewalks on streets in unbuilt section of city. $70,000. Z. Lambert, Three Rivers, engr.

**Ont., Merlin**—Kent Co. Council plans concrete paving Main St. $35,000. W. D. Colby, Harrison Hall, Chatham, engr.

**S. A., Brazil**—Brazilian Congress made permanent annual appropriation $1,800,000 for road work, here. Interested firms communicate with U. S. Dept. Commerce, Wash., D. C.

## *Bids Desired*

**Maine** — May 19, by State Hy. Dept., Augusta, concrete paving 2.29 mi. Federal Aid Project 34-D, in Hampden, 3.79 mi. Federal Aid Project 87-C, Kittery-York, and 3.89 mi. Federal Aid Project 102-B, Trenton; bituminous macadam paving 1.92 mi. Section "R" Augusta; also graveling 1.44 mi. Federal Aid Project 103-B, Ellsworth-Dedham, and 2.34 mi. Saco-Biddeford. P. D. Sargent, ch. engr.

**Massachusetts**—May 17, by Dept. Pub. Wks., Boston, bituminous macadam paving 2,300 ft. highway in Lee, 16,320 ft. in Gloucester and Rockport, 3,089 ft. in Southborough; and bituminous macadam, bituminous concrete, rein.-con. and granite block paving 9,665 ft. in Medford and Somerville; also bituminous concrete paving 5,945 ft. in Barnstable and Yarmouth. W. F. Williams, comr.

**Mass., Concord**—May 16, by Town Road Comrs., existing Pine St., 1,600 yd. excav. and 3,400 yd. fill. J. M. Keyes, Everett St., chn.

**N. Y., Brooklyn** — May 18, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Neck Rd., West 6th and 83rd Sts.; bituminous macadam paving Elmore and Delamere Pls.; grading, curbing and sheet asphalt paving Avenues N, S and T, Bedford, Narrows and Nostrand Aves., East 34th, East 43rd, East 93rd, 74th, 78th, West 6th, West 10th, West 11th, 71st and 83rd Sts.

**N. Y., New York**—May 18, by J. Miller, pres. Manhattan Boro, granite block paving Amsterdam Ave., West and Marginal Sts.; grading, curbing, sidewalks and sheet asphalt paving 63rd, West 193rd and 40th Sts.

**N. Y., Johnstown**—May 16, by A. Wands, city clk., grading, curbing and rein.-con. paving approximately 5,500 ft. more or less Prindle and 4th Aves., Mill, South Perry, Grove, East Madison and Water Sts.

**N. Y., Syracuse**—May 16, by Bd. Contr. & Supply, City Hall, vitr. brick, asphalt, bituminous concrete or concrete paving Circle Rd., Ross Park, South Townsend St., Lancaster and Homer Wheaton Aves.; resurfacing Concord Pl. and Shonnard St.;

Streets and Roads (Continued)

also 35,000 ft. concrete sidewalks on various streets in Onondaga Annexation. N. F. Pitts, Jr., city engr.

**N. Y., Valhalla**—May 25, at office Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading and improving Bronx Parkway extension form Columbus Ave. to point 1,800 ft. north Commerce St., here. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. May 12.

**N. Y., Waterloo**—May 23, at office Bd. Village Trustees, L. V. Fillingham, clk., grading and bituminous macadam (penetration method) paving various streets; adv. E. N.-R. May 12.

**N. Y., White Plains**—May 23, at office F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, rein.-con. paving 1.64 mi. Westchester Ave. Co. Rd. 62, here; and 1.31 mi. 6th St. Co. Rd. 61, Mt. Vernon, C. MacDonald, co. engr.; adv. E. N.-R. May 12.

**New Jersey**—May 23, by State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving 78,100 sq.yd. Route 7, Sect. 8, Lakewood-Aldrich Rd., Monmouth and Ocean Counties. A. L. Grover, ch. clk.; adv. E. N.-R. May 12.

**N. J., Dumont**—May 18, by Road Com. of Mayor and Boro Council, Forum Bldg., Madison Ave., grading and 8 in. concrete paving 18,000 cu.yd. New Milford Ave. C. C. Freeman, Jr., Kolberg Bldg., boro engr.

**N. J., Toms River**—May 17, by Bd. Freeholders Ocean Co., grading and paving 68,865 sq.yd. Lakewood-New Egypt Rd., Sects. 9 and 10. $200,000. Former bids rejected. J. M. Abbott, Toms River, co. engr. Noted Apr. 28 under "Lakewood."

**N. J., Trenton** — May 16, by Bd. Freeholders Mercer Co. grading and bituminous on macadam paving 3,640 sq.yd. Hutchinsons Mills Rd. H. F. Harris, Trenton, co. engr.

**N. J., Union City** — May 17, by City Council, City Hall, repaving 36th, 37th, 38th and 39th Sts. J. C. Maulbeck, city engr.

**Pennsylvania** — May 27, by State Hy. Comn., Harrisburg, grading, rein.-con., bituminous treated macadam paving, etc. approximately 45 mi. 13 projects in Berks, Bucks, Butler, Chester, Clearfield, Lackawanna, Lancaster, Luzerne, Mercer, Mifflin, Monroe, Montour, Northumberland, Perry and Wayne Counties. J. L. Stuart, secy. highways; adv. E. N.-R. May 12.

**Pa., Dale (Johnstown P. O.)**—May 20, by W. Rigby, boro secy., Hummel and Cliff Sts., grading and brick or concrete paving 5,000 ft. Roberts, Moesser, Weyandt and Von Lunen Rds., 20 ft. $40,000. O. P. Thomas, Park Bldg., Johnstown, engr.

**Delaware**—June 1, by State Hy Dept., Dover, grading, widening and concrete paving, etc. 5.245 mi. State Road-Wilmington Causeway, Contr. 82; also grading and concrete paving (slag aggregate) 6.3 mi. Midway-Angola, Contr. CS57; adv. E. N.-R. May 12.

**Maryland** — May 17, by State Roads Comn., Baltimore, concrete paving highway, Contrs. F-103 and F-89, Frederick Co., Contr. CI-64 Carroll Co., Contr. Co-43 Caroline Co., also Contr. Wi-42 and Wo-51, Wicomico and Worcester Counties; graveling Contr. C-26, Calvert Co.; and concrete shoulders on Contr. CI-1-A Carroll Co., also Contr. Ce-2-A, and Contr. Ce-10-B, Cecil Co.; concrete shoulders and resurfacing Contr. B-39-A Baltimore Co., and Contr. Wo-5-C Worcester and Wicomico Counties. J. N. Mackall, chn.; adv. E. N.-R. May 12.

**Maryland**—May 24, by State Road Comn., Baltimore, concrete paving highway Contr. W-46 Washington Co., Contr. CI-48 Carroll Co., and Contr. CO-41 Caroline Co.; graveling Contr. Ch-41, Charles Co.; concrete shoulders on Contr. B-4-A Baltimore Co., Contr. 45-C Montgomery Co., and Contr. P-2-A Prince Georges Co. J. N. Mackall, chn.; adv. E. N.-R. May 12.

**Md., Easton**—June 4, by Mayor, at office R. Goldsborough, town clk., resurfacing 26,510 sq.yd. "Topeka," concrete and penetration macadam pavements. E. G. Kastenhuber, Jr., town engr.; adv. E. N.-R. May 12.

**North Carolina**—May 17, by State Hy. Comn., Raleigh, clearing, grading, top soiling, etc., 11.27 mi. Project 789, Wilkes Co. $102,460, and 5.87 mi. Project 676, Rowan Co. $28,487; clearing, grading, etc., 9.33 mi. Project 733, Davie Co. $44,864, 6.88 mi. Project 4440, Lee Co. $50,998, and 5.64 mi. Project 6370, Iredell Co. $49,246; grading, concrete or asphaltic paving 3.95 mi. Project 476, Wake Co. $112,383, 6.86 mi. Project 466, Person Co. $182,292, 4.39 mi. Project 4370, Harnett Co. $113,790, 9.72 mi. Project 8180, Burke Co. $246,675, and 4.19 mi. Project 4170, Durham Co. $116,215. L. R. Ames, Raleigh, engr.

**Ala., Birmingham** — June 29, by City Com., curbing, guttering, walks and 2 in. asphalt on 5 in. concrete paving 5 blocks Court U and Ave. W., Ensley, $22,200; also 1 block McMillon Ave., $6,875. A. J. Hawkins, city engr.

**O., Akron**—May 20, by Comrs. Summit Co., grading, traffic bound slag or limestone paving, etc., 2.029 mi. South Main St. Rd. C. H. 50, Sect. E, 18 ft. $43,400. H. G. Sours, Court House, Akron, engr.

**O., Akron**—May 23, by Comrs. Summit Co., grading, curbing and paving, etc., 0.72 mi. Norton Ave. (Barberton City), rein.-con. $61,600, asphalt $67,700; also grading, traffic bound slag or limestone paving, etc., 1.87 mi. Akron-Copley Rd. C. H. 24, Sect. D. H. G. Sours, Court House, engr. Noted Feb. 17.

**O., Akron**—May 25, by Comrs. Summit Co., grading, traffic bound slag or limestone paving, etc., 2.6 mi. Reimer Rd., 18 ft. $26,800. H. G. Sours, Court House, Akron, engr.

**O., Canton** — June 1, by Bd. Control, improving approximately 1 mi. 12th St. N. W. from end of 12th St. N. W. and Clarendon Ave. N. W. $190,000. W. E. Sarver, City Hall, engr.

**O., Cleveland**—May 18, by Bd. Comrs. Cuyahoga Co., paving Riverside Rd. 4. $188,300. F. Lander, Court House, engr.

**O., Columbus** — May 23, by O. Moore, clk. Bd. Comrs. Franklin Co., grading and paving, etc., 4,922 ft. Indianola Ave., Sect. 3, waterbound macadam $32,700, bituminous macadam $40,553. C. C. Latimer, Court House, co. surv.

**O., Columbus**—May 24, by W. H. Duffy, dir. of Serv., curbing, grading and paving 12,450 sq.yd. Kelton and Richardson Aves., brick $82,828, asphalt $77,526. R. H. Simpson, city engr. This corrects report in May 5 issue.

**O., Dayton**—May 13, by G. F. Baker, dir. Pub. Serv., sheet asphalt or concrete paving Upper Ave. and Tacoma St.; also concrete paving 10 alleys. $25,000. J. F. Hale, city engr.

**Indiana**—May 24, by State Hy. Comn., Indianapolis, brick, bituminous concrete or concrete paving 8.874 mi. Project F. A. 95-B, Benton and Warren Counties; 7.273 mi. S. P. 537-B; and 7.278 mi. S. P. 537-C, Newton Co. W. J. Titus, Indianapolis, ch. engr.

**Ind., Crown Point**—May 23, by Comrs. Lake Co., graveling George W. Hilton et al Rd. and Joseph Kyle et al Rd., in Calumet Twp., $37,500 and $46,000 respectively; John D. Wirtz et al Rd. and John E. Smith et al Rd., in Center Twp., $18,700 and $35,500 respectively; Harry P. Simms et al Rd., and Frank C. Brown et al Rd., Cedar Creek Twp., $15,500 and $27,000 respectively; A. M. Hazelgreen et al Rd., Hobart Twp., $43,500; and William Bohling et al Rd., Center and Hanover Twps., $38,000. W. E. Whitaker, Crown Point, aud.

**Ind., Indianapolis** — Bd. Wks. taking bids asphalt, concrete and brick paving 4,931 ft. Warman Ave. $28,904, 4,824 ft. Holmes Ave. $31,339, 2,473 ft. Haugh St. $15,570, and 4,712 ft. Pershing St. $35,160. F. C. Lingerfelter, City Hall, engr.

**Ind., Peru** — May 14, by Comrs. Miami Co., graveling 14,960 ft. Road 5, $11,950; and 15,060 ft. Road 15, $15,160. G. Hostetler, aud.

**Michigan**—May 19, by State Hy. Dept., at office Village Clerk, Three Oaks, concrete paving, etc., 107,506 sq.yd. F. A. 236, Sect. A, Berrien Co. Owner furnishes 35,336 bbl. cement. R. A. Beers, Kalamazoo, resident engr.

**Michigan**—May 26 (extended date), by W. W. Lavers, resident engr., Plymouth, concrete paving 2.568 mi. S. T. L. 10-61, Sect. B, Project M 063-5, Contr. 1, Oakland Co., for State Hy. Dept., Lansing. Noted May 5.

**Mich., Ann Arbor**—May 18, by Bd. Pub. Wks., at office I. G. Reynolds, city clk., approximately 100,000 lin.ft. one-course concrete curbing and guttering in Curb & Gutter Dists. 102 and 234.

**Ill., Galesburg** — May 14, by Bd. Local Impvts. grading, curbing, guttering and vertical fibre brick paving 21,250 sq.yd. North Prairie St. $94,291. A. L. Richey, City Hall, engr.

**Ill., Lynnville**—May 19, by W. R. Somers, comr. highways Ogle Co. at office Superintendent Highways, Court House, Oregon, graveling 12 mi. roads in Lynneville Twp., 12 ft. $35,000. A. Anderson, Court House, Oregon, engr.

**Wisconsin**—See "Contracts Awarded."

**Wisconsin**—May 18, by State Hy. Comn., Div. Office 2, Stephenson Bldg., Milwaukee, grading, concrete paving, etc. 55,390 sq.yd. Sheboygan-Manitowoc Rd., Federal Aid Project 420-B, Sheboygan Co., and 7,400 sq.yd. Pewaukee-East Rd., Federal Aid Project 349-A. Waukesha Co. H. W. Vroman, div. engr.

**Wis., Beloit**—May 18, by Bd. Pub. Wks., grading, one course rein.-con. paving, etc. 4th St. between West Grane and North Sts.; and track area in 4th St. from North St. to point 960 ft. north, Contr. 14. G. E. Heebing, dir.

**Wis., Waukesha**—May 19, by C. J. Hahn, comr. Waukesha Co., grading, concrete paving, etc. 44,282 sq.yd. Job 2713, 19,263 sq.yd. Job 2711, and 44,766 sq.yd. Job 2719; also 21,015 sq.yd. Job 1879, Jefferson Co. H. W. Vroman, div. engr.

**Ia., Algona** — May 18, at office H. M. Smith, maintenance supt. Kossuth Co., graveling Project M-861, 11,950 cu.yd. gravel 1 mi. haul, 100,225 units overhaul, and 2,600 cu.yd. stripping.

**Ia., Ft. Dodge**—May 17, at office Auditor Webster Co., improving Project M-101, 9,950 cu.yd. gravel 1 mi. haul, 99,375 units overhaul, and 3,400 cu.yd. stripping. G. Burnet, Ft. Dodge, maintenance supt.

**Ia., Emmetsburg**—May 16, at office T. R. Martin, maintenance supt. Palo Alto Co., improving Project M-871, 7,100 cu.yd. gravel 1 mi. haul, 37,000 units overhaul, and 800 cu.yd. stripping.

**Ia., Iowa City** — May 17, by Auditor Johnson Co., grading, paving, etc. 12,962 sq.yd. Primary Project 207-F; and paving on extension Primary-City Project C-45. Brown & Cook, Ottumwa, and G. M. Griffith, Iowa City, engr.

**Ia., Orange City** — May 19, at office Auditor Sioux Co., grading, etc. 4.44 mi. county road north of Hull; and grading, etc. 4.7 mi. township road. J. W. Wiersma, Orange City, co. engr.

**Ia., Sac City**—May 20, at office Auditor Sac Co., improving roads, Project M-891, 4,900 cu.yd. gravel 1 mi. haul, 24,650 units overhaul, 1,650 cu.yd. stripping. M. A. Varley, Sac City, maintenance supt.

**Ia., Sibley** — May 17, at office Auditor Osceola Co., graveling 11.945 mi. Secondary-Primary Project S-70; 2 mi. County Secondary Project 5; and 4.4 mi. Project 6. J. H. Turnbull, Sibley, co. engr.

**Ia., Spencer**—May 16, at office F. Campbell, maintenance supt. Clay Co., graveling Project M-831, 15,650 cu.yd. gravel 1 mi. haul, 60,775 units overhaul and 4,450 cu.yd. stripping.

**Ia., Van Horne** — May 16, by C. B. Barron, town clk., 1,070 lin.ft. combined curb and gutter, 400 cu.yd. excess excav., and furnishing and distributing 1,557 tons gravel on various streets. H. R. Green Co., 208-10 Bever Bldg., Cedar Rapids, engrs.

**Minn., St. Paul**—May 16, by G. J. Ries, aud. Ramsey Co., grading, etc. Capitol Highway between Minnesota Trunk Highway 50 and State Rd. 3, Dakota Co. $35,000; and grading, paving, etc. East County Line Rd. between North St. Paul-Road-County Rd. E., $72,000. P. N. Coates, Guardian Life Bldg., co. highway engr.

**Minn., St. Paul**—May 17, by A. E. Eggert, city purch. agt., paving Minnehaha St. between White Bear Ave. and east city limits. $125,000. G. M. Shepard, city engr.

**Minn., Winona**—May 16, by City, paving, etc., approximately 15,062 sq.yd. 2nd St. $45,000. E. E. Chadwick, city engr. Noted May 5.

**Kan., Cimarron**—May 28, by Clerk Gray Co., grading, etc. 9.071 mi. Federal Aid Project 56-D, 30 ft., 64,348 lb. reinforcing, 2,880 ft. snow fence, etc. W. Barton, Cimarron, co. engr. Noted Mar. 24.

**Neb., Fairbury**—May 17, by L. C. Simpson, city clk., grading, brick, sheet asphalt, asphaltic concrete or concrete paving, etc. 12,200 sq.yd. C St., Dist. 15. Noted Jan. 7, 1926.

**N. D., Fargo**—May 18, by A. R. Watkins, city aud., alternate types paving approximately 34,000 sq.yd. various streets.

**Mo., St. Louis** — May 31, by Bd. Pub. Serv., 208 City Hall, recut granite block paving, etc. 32,500 sq.yd. Washington Ave. $213,000. W. W. Horner, 300 City Hall, engrs.

**Ark., Prescott**—May 17, by Comrs. Paving Dist. 2, City Hall, H. V. Scott, chn., grading, curbing and 6 in. concrete paving 25,000 sq.yd. various streets. $64,000. A. M. Lund, Home Insurance Bldg., Little Rock, engr.

**Tex., Alice**—May 20, by F. E. Hess, engr. Jim Wells Co., grading, etc. 9.8 mi. Highway 12-A. $248,000.

**Tex., Baird**—May 24, by Comrs. Callahan Co., asphalt macadam paving 5½ mi. Highway 1. $100,000. W. J. Van London, Baird, engr.

**Tex., Huntsville** — May 24, by Comrs. Walker Co., concrete paving 15 mi. Highway 19, Federal Aid Project 460-B, Unit 2. $405,000. D. K. Caldwell, Huntsville, engr.

**Tex., Vernon**—May 24, by Comrs. Wilbarger Co., hard paving 6.97 mi. Highway 5. $235,000. J. B. Nabors, Vernon, engr. Noted Mar. 10.

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Streets and Roads (Continued)

**Okla., Medford**—May 20, by W. U. Shanklin, city clk., grading, curbing and concrete paving 20,400 sq.yd. Main and Cherokee Sts. $65,700. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Mar. 24.

**Okla., Seminole**—May 17, by P. Nol, city clk., grading, and vertical fibre brick paving 4,300 sq.yd., and brick paving 8,600 sq.yd. Paving Dist. 6. $62,100. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Ont., Hamilton**—See "Contracts Awarded."

**Ont., Owen Sound**—May 30, by R. McKnight, engr., City Hall, concrete paving various streets, for City. $45,000.

**Que., St. Telesphore**—May 18, by J. E. Charlebors, secy. and treas. Sonlauges Co., graveling 4.6 mi. National Rd. $70,000. A. Fraser, Quebec, engr.

**B. C., Point Grey** — May 16, by G. N. Naden, deputy minister of lands, Victoria, asphaltic concrete paving roads, water system and sewers in 2nd division University Hill Sub-Division, here. $100,000. P. Philip, Dept. Pub. Wks., Victoria, engr. Noted Feb. 17.

## *Contracts Awarded*

**Vermont** — Bd. Highways, Montpelier, rein.-con. paving 0.7 mi. highway in Bennington, to E. M. McGann, Adams, Mass. $27,034, 6.7 mi. in Castleton and West Rutland, to J. Holland, Lawrence, Mass. $237,008, 3.6 mi. in Windsor and Weathersfield, to Lane Constr. Co., 37 Colony St., Meriden, Conn. $146,376, 5.9 mi. in Derby, and bituminous macadam paving 4.4 mi. in Middlebury and New Haven, to E. W. Overlook, Brattleboro, $208,064 and $165,178 respectively 4.5 mi. in Danville, to Arboro Road Constr. Co., 408 Main St., Hartford Conn., $158,650, and 1.8 mi. in Highgate and Swanton, to L. Longhi, Torrington, Conn. $45,805. Grand total $988,-115. Noted Apr. 28.

**Massachusetts**—Dept. Pub. Wks., Boston, bituminous concrete paving 4,250 ft. highway in Plympton, to Washburn & Sheridan, East Taunton, $16,716; bituminous macadam paving 1,438 ft. in Sharon, to Taylor Constr. Co., Milford, $12,390, 7,600 ft. in Ayer and Shirley, to R. H. Newell Co., Uxbridge, $84,633, and 1,059 ft. in Canton, to Reynolds Bros., Inc., 179 Summer St., Boston, $6,179. Grand total $119,918. Noted Apr. 14.

**Mass., Pittsfield**—Concrete paving, etc., 11,200 sq.yd. Elm St., also new curbing, resetting curbing and concrete paving Renne, East Pearl and Orchard Sts., 7,700 sq.yd., to C. B. Lindholm, 24 North St., $76,351. Engrs. est. $100,000.

**Rhode Island**—State Bd. Pub. Roads, State House, Providence, bituminous macadam paving 7.6 mi. Contr. 2702, and 3.5 mi. Contr. 2701, in Coventry, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $324,782 and $175,965 respectively; sheet asphalt on concrete and waterbound macadam paving 0.5 mi. Contr. 2704, in Warwick, to C. W. Blakeslee, 58 Waverly St., New Haven, Conn., $39,449; and trap rock paving 0.5 mi. Contr. 2706, in East Greenwich, to B. C. Jordan, Providence, $12,029. Grand total $552,225. Noted Mar. 31.

**Conn., Norwalk**—Paving Day and Cross Sts., to T. F. Foley Co., Inc., 13 South Main St., South Norwalk, $34,247. Engrs. est. $35,000.

**New York**—A. W. Brandt, comr. Highways, Albany **(e. e. means engineers estimate)**, reconstructing 1.8 mi. Repair Contr. 3165, Highway 9101, Southern Blvd. 5499, Albany-Bethlehem Center Rd., Albany Co., to M-K Eng. Co., Inc., Albany, $75,056 e. e. $95,341; 3.92 mi. Highway 8276, Snake Hill-Saratoga Lake Outlet, Saratoga Co., to Collins Bros., Stillwater St., Mechanicville, $188,801 e. e. $253,126; 1.6 mi. Repair Contr. 1579, Highway 266, Tunnel, 5242 Port Crane-Sanitaria Springs Rd., 5243 Sanitaria Springs-Harpursville Rd., Broome Co., to J. F. Paddleford, Sherburne, $105,088 e. e. $133,119; 7.6 mi. Repair Contr. 1578, Highway 891, Ticonderoga-Crown Point, Part 1, and 1176 Ticonderoga-Crown Point Rd. Part 2, to J. W. Holler, Inc., Hudson Falls, $217,056, e. e. $297,078; 4.92 mi. Repair Contr. 1584, Highway 5622, Holland-Yorkshire Part 1, Erie Co., to J. F. Morgan Co., Olean, $208,-846 e. e. $275,960; 7.92 mi. Repair Contr. 1581, Highway 83, Buffalo Rd. Part 2, 402 and Buffalo Part 3, Monroe Co., to Rochester Vulcanite Pavement Co., Exchange Pl. Bldg., Rochester, $335,632 e. e. $448,817; 4.42 mi. Highway 1752, Holland-Glenwood Rd., Part 2, Erie Co., to Cold Spring Constr. Co., Ellicott Sq. Bldg., Buffalo, $206,106 e. e. $267,839; 3.82 mi. Highway 1750, Meridian-Bowens Corners, Part 2, Cayuga-Oswego Counties, to F. J. Downing, 13½ Swan St., Buffalo, $163,734 e. e. $210,-196. Grand total $1,500,319. Noted May 5.

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**N. Y., Brooklyn** — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to J. D. Norton, 20 Sterling Pl., grading Creamer St. $7,634, to Slattery Contg. Co., 10 East 43rd St., New York City, Scott Ave. $7,409, to G. M. Mandato, 202 Neck Rd., Avenue T $1,945, and West 6th St. $4,236; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving East 8th St. $35,439, Ovington Ave. $11,704, 7th Ave. $8,233, Marine Ave. $9,371, 9th Ave. $26,105, 71st St. $8,429, 76th St. $8,158, and 81st St. $3,665, to D. J. McCoy Asphalt Corp., Avenue U and East 57th St., East 26th St. $6,632, Elmore Pl. $12,362, Avenue I $10,329, Schenectady Ave. $14,875, East 12th St. $9,951, East 37th St. $17,397, East 94th St. $9,050, and Elmore Pl. $9,147; to Uvalde Asphalt Paving Co., 1 Bway., New York City, Lott Ave. $7,977, Avenue K $5,740, Elton St. $4,131, and Rockaway Parkway $39,742, to M. J. O'Hara, Neptune Ave. and West 19th St., Avenue T $20,097, 82nd St. $4,268, West 13th St. $9,242, East 2nd St. $18,476, East 8th St. $8,770, and 75th St. $15,293, to B. Turecamo Contg. Co., 8706 Bay 12th St., 81st St. $8,373, and 93rd St. $7,285, to Highway Impvt. & Repair Co., 50 Church St., New York City, Prospect Park, Southwest $68,457, and to Cranford Co., 52 9th St., 66th St. $6,973. Grand total $446,895. Noted Apr. 14.

**N. Y., Brooklyn** — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Cranford Co., 52 9th St., asphalt resurfacing by heater method Baltic St. $195,721, sheet asphalt paving Ovington Ave. $8,385, Senator St. $9,652, and 9th Ave. $10,198, to Cleveland Trinidad Paving Co., Flushing, Clarkson Ave. $27,587, East 42nd St. $15,989, Foster Ave. $11,677, and Troy Ave. $11,449, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Forbell Ave. $11,281, Linwood St. $9,096, and Shepherd Ave. $9,393, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., 12th Ave. $16,686, to D. J. McCoy Asphalt Corp., Avenue U and East 57th St., Avenue H $57,525, Avenue J $8,682, 20th Ave. $7,674, and 62nd St. $14,245, to M. J. O'Hara, Neptune Ave. and 19th St., 11th Ave. $3,798, 24th Ave. $13,997, and 86th Ave. $36,689. Grand total $479,724. Noted Apr. 21.

**N. Y., Geneva** — Bd. Pub. Wks., J. W. Brennan, city engr., grading, curbing, guttering and paving 13,000 sq.yd. various streets, to Brayer Bros., Auburn, $53,164. Noted Apr. 21.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, sheet asphalt paving 4th Ave. $18,966, 106th St. $41,530, Richard Ave. $13,883, Tesla Pl. $7,803, and Woodside Ave. $19,095; to W. P. MacDonald Constr. Co., Lawrence St., Flushing, 18th Ave. $20,222, 75th St. $47,719, Well Pl. $10,077, and 11th St. $73,714; to Uvalde Asphalt Paving Corp., 1 Bway., New York City, 78th St. $10,113; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, 87th St. $13,516, 134th St. $11,348, and Firth Ave. $24,358; to Carberry Block Corp., 45 South 9th St., Brooklyn, 106th St. $13,892; and to Stanhy Constr. Co., Steinway Ave., Tompkins Pl. $5,945. Grand total $332,181. Noted Apr. 14.

**N. Y., St. George**—J. A. Lynch, pres. Richmond Boro, Boro Hall, to Vanbro Constr. Co., 20 Elizabeth St., Port Richmond, concrete sidewalks on Lafayette Ave., $4,752; stone block on sand paving Murray Hulbert St. $26,370, and grading Cornell Ave. $2,070. Grand total $33,192. Noted Apr. 14.

**N. Y., White Plains**—F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, rein.-con. paving Oregon Rd. (63), Peekskill, to Lowell Grossman & Co., Peekskill, $84,302; Underhill Ave. (32-A), Harrison, to G. Pisani, Peekskill, $96,670; and Columbus Ave. (64), Mt. Pleasant, to A. E. Ottaviano, Brook St., Croton-on-Hudson, $115,566. Grand total $296,538. Noted Apr. 7.

**N. J., Colts Neck**—Atlantic Co. (Mays Landing), reconstructing 4 mi. Colts Neck-Homedell Rd., Atlantic Twp., to Stryker & Stryker, Red Bank, $27,705. Noted Apr. 28.

**N. J., West Long Branch**—Monmouth Co. (Freehold), concrete paving 0.35 mi. West Long Branch-Interlaken Rd., here, to Jannarone Contg. Co., 225 Passaic Ave., Belleville, $24,949. Noted Apr. 21.

**Pennsylvania**—State Hy. Comn., Harrisburg, **(R. means Route and A. means Application)**, rein.-concrete paving, etc., 19,-596 sq.yd. R. 115, Sect. 4, Washington Co., to Hardy & Rankin, Canonsburg, $91,622; 10,194 sq.yd. R. 311, A. 4277, Clarion Co., to A. R. Cooper, New Florence, $46,628; 10,026 sq.yd. R. 112, Sect. 4, Greene Co., to E. E. Morris, Waynesburg, $49,389; 47,-804 sq.yd. A. 4490, Northampton Co., to Juniata Paving Co., Empire Bldg., Phila., $194,040; 32,405 sq.yd. R. 50, A [illegible] Somerset Co., to James & Nicholson, Johnstown, $161,089; 25,126 sq.yd. A [illegible] Lehigh Co., to M. Staub, Reading, $[illegible] 5,618 sq.yd. R. 118, Sect. 2, Fayette Co., to J. I. Dick, Scottdale, $31,524; and [illegible] sq.yd. A. 4310, Bradford Co., to Colonial Constr. Co., Arrott Bldg., Pittsburgh, [illegible] 311. Grand total $874,849. Noted Feb. 17.

**Pa., Dormont** (mail Pittsburgh)—Grading, brick on concrete paving, etc., [illegible] sq.yd. streets in Dormont Park Plan [illegible] to Pittsburgh Paving Co., Bakewell Bldg., Pittsburgh. Engrs. est. $50,000.

**Pa., Glenfield**—Allegheny Co. (Pittsburgh), widening, concrete on brick paving [illegible] Beaver Rd., Kilbuck Twp., here, to [illegible] & Ryan Contg. Co., 3918 Swineburn St., Pittsburgh, $147,914. Engrs. est. $[illegible]

**Pa., Phila.**—Dept. Pub. Wks., Bureau of Highways, to Barber Asphalt Co., [illegible] North 30th St., asphalt paving (assessment work) Almond, Croyden, Eddington and Salmon Sts. $11,717, Armstrong and Magnolia Sts. $6,862, Bridge St. $3,232, Comly, Champlost and Godfrey Sts. $32,622, Comly and Frontenac Sts. $26,579, Elmwood St. $10,683, Godfrey and Sanger Sts. $[illegible] Howard and Ruth Sts. $7,469, Loretto St. $14,456, Lycoming St. $15,454, N St. $8,[illegible] Nedro St. $5,335, Spencer, 6th and 7th Sts. $20,293, Pratt St. $5,765, Whitaker St. $[illegible] 533, Winghocking and 4th Sts. $9,766, 3rd St. $4,752, 6th St. $7,874, 10th St. $2,[illegible] McKean and Siegel Sts. $12,606, 26th and 28th Sts. $16,180, to Union Paving Co., 123 South 21st St., Tioga St. $13,868, and Sydenham St. $3,498, and improving Loretta and Stanwood Sts. $13,987, also to Curtis Bros., State and Unruh Rds., Bingham and Stanwood Sts., $3,119; to Root Bros., Ridge Ave. and Righter St., grading Acorn, Fountain, Henry, Lawton, Matthias and Shalkop Sts. $36,707, to T. V. Monaghan, Inc., Water and Clarkson Sts., Ashdale, C and D Sts. $7,429, Brous, Cottage and Levick Sts. $11,731, to T. Connor, 3621 North 5th St., Churchview Ave. $24,-618, to Dewees Bros., 7200 Shelbourne St., Comly St. $4,747, to R. B. Wenner, 2819 West Gordon St., Stokley St. $1,433, Wheelpump Lane and Whitemarch St. $3,641. Grand total $393,138. Noted Apr. 21.

**Pa., Pittsburgh** — Widening, repaving, etc., Grant St. between 7th and 2nd Aves., to Dunn & Ryan Contg. Co., 3918 Swineburn St. Engrs. est. $105,000. Noted Feb. 10.

**Pa., Washington** — Comrs. Washington Co., to State Constr. Co., New Kensington, concrete paving 7,300 ft. Lone Pine Rd., West Bethlehem Twp., $50,210; 6,785 ft. Burgettstown-Elderville Rd., Sect. 2, Jefferson Twp., $46,302; and 6,107 ft. Gastonville-Elmira Rd., Union Twp., $63,359. Grand total $159,871.

**Md., Baltimore**—Bd. Awards, sheet asphalt paving 10,700 sq.yd. streets listed in Contr. 399, to Mahoney Bros., 1111 Rutland Ave., $27,910.

**Md., Baltimore** — Bd. Awards, concrete paving 10,360 sq.yd. streets listed in Contr. 401, to Ward & O'Connell, 3114 Presbury St., $23,188; and sheet asphalt paving 11,-690 sq.yd. streets listed in Contr. 400, to Amer. Paving Co., Montebello Ave., $[illegible] 980. Noted Apr. 14.

**S. C., Columbia**—Sheet asphalt paving 42 blocks various streets, to West Constr. Co., Chattanooga, Tenn., $240,522. Noted Apr. 7.

**Miss., Gulfport**—Harrison Co., machine-mixed asphalt penetration surfacing 5 mi. White Harbor Rd., to Southern Paving Constr. Co., Chattanooga, Tenn., $58,526; 6 in. concrete paving 24,800 ft. Biloxi-Cedar Lake Rd., to Moore Constr. Co., Biloxi, $107,511; gravel surfacing 7 mi. Saucier-Riceville Rd., to E. Farley, Gulfport, $35,-997; and 21,120 ft. 6 x 12 in. concrete headers on Magnolia Highway, Beat 5, to Powers Constr. Co., Gulfport, $6,334. Grand total $208,368. Noted Mar. 24 and 31.

**O., Akron**—Summit Co., grading, curbing and rein.-con. paving 1.55 mi. New Portage-Uniontown Rd. C. H. 162-C2, 18 and 22 ft., and traffic bound slag paving, etc., 4 mi. New Portage-Uniontown C. H. 162D and E, 18 ft., to Costigan Shroyer Constr. Co., Metropolitan Bldg., $70,062 and $47,-522 respectively. Noted Apr. 31.

**O., Bexley** (Columbus P. O.) — S. W. Roderick, village clk., grading and trinidad asphalt paving, etc., 46,000 sq.yd. Walnut St., Sherwood and Bryden Rds., Cassingham, Montrose, Grandon, Maryland, Columbia, Drexel, Dawson and Allegheny Aves., to Cleveland Trinidad Asphalt Co., Grand Theatre Building, Columbus, $201,857. Engrs. est. $250,000. Noted Apr. 21.

**O., Cleveland** — Waterbound macadam paving, etc., 8,300 sq.yd. Highland Park Cemetery, to Highway Constr. Co., Guarantee Title Bldg., $23,800.

**O., Columbus**—Franklin Co., O. Moore, clk., to J. M. Snouffer Co., 2248 North 4th St., waterbound macadam paving 0.7 mi.

Streets and Roads (Continued)

Chase Ave., Sharon Twp., $16,803; to Evans Constr. Co., 52 West Gay St., 1.2 mi. Ferris Rd. $35,340, 1.9 mi. Township Line Rd., Sect. 2 between Blendon and Mifflin Twps. $35,593, 2,106 ft. Kilbourne Ave., Blendon Twp. $11,515, and 1,757 ft. Perdue Ave., Mifflin Twp. $10,430. Grand total $109,681. Noted Apr. 21.

**O., Parma** (br. Cleveland)—Village, 3 in. sheet asphalt paving Theota Ave., to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $45,744; 2½ in. sheet asphalt paving Grantwood Ave, and 2 in. Macite paving Merkle Ave., to Baldwin Bros., 4500 Euclid Ave., Cleveland, $61,141 and $24,362 respectively; 2½ in. Macite asphalt paving Manchester Ave., to W. E. McHugh, West 73rd St. and Western & Lake Erie R.R. tracks, $37,290. Grand total $168,537. Noted Mar. 31.

**Indiana**—State Hy. Comn., Indianapolis, to Putman Constr. Co., 3013 East New York St., Indianapolis, bituminous macadam paving Contr. 77 $121,490, Contr. 80 $91,521, and Contr. 81 $157,588. Grand total $370,599. Noted Mar. 24.

**Indiana**—J. D. Williams, dir. State Hy. Comn., Indianapolis, concrete paving 10.477 mi. West Baden-Paoli Rd., Project F. A. 16, Sect. H-1 and H-2-S-508, Rd. 56, Orange Co., to R. H. Scott, 906 Lemcke Bldg., Indianapolis, $358,160; grading, etc., 2.284 mi. Jasper French Lick Rd., F. A. 16, Sect. G-1, Rd. 56, Orange Co., to M. E. McGuire, 4012 College Ave., Indianapolis, $29,224, and 1.3 mi. Whiting Rd. to Chicago Line, Lake Co., to Ahlbom & Lavene, Hammond, $28,136. Grand total $415,520. Noted Feb. 24.

**Michigan** — State Hy. Dept., Lansing, concrete paving 4.995 mi. A. D. 473 Co. 63-'82 Contr. 1, Oakland and Wayne Counties, to J. Porath & Son, 903 Transportation Bldg., Detroit, $216,849.

**Mich., Grand Haven**—Bd. Road Comrs. Ottawa Co., concrete paving 3½ mi. Assessment Dist. Road 13, Park Twp., and 1 mi. Alpena Rd., to L. W. Edison, Bridge Rd., Grand Rapids, $73,021 and $17,244 respectively; ¼ mi. Nunica Rd., Croakery Twp., and ⅝ mi. Byron Rd., Zeeland Twp., to Cline & Bolens, Spring Lake, $6,033 and $16,842 respectively. Grand total $113,140. Noted Apr. 14.

**Mich., Mt. Clemens** — Road Comrs. Macomb Co., concrete paving 2.92 mi. Special Assessment Dist. 114, and 6 mi. Special Assessment Dist. 97, both Warren Twp., to T. E. Currie, 909 Transportation Bldg., $94,984 and $160,502 respectively; also 1.09 mi. Special Assessment Dist. Road 96, Chesterfield Twp., to E. Elaerhaut, 1097 Alter Rd., $56,806.

**Ill., Chicago**—Bd. Local Impvts., Room 206, City Hall, grading and 7 in. concrete paving alley between 17th and 28th Sts., also grading, curbing, guttering and 8 in. concrete paving portions Bernice Ave. and Grace St., to Paramount Constr. Co., 107 North Clark St., portions Carmen Ave. and South Peoria St., to R. A. Anderson, 625 North Kedzie Ave., portion North Laramie Ave., to Hedges Constr. Co., 64 West Randolph St., portions West 68th and Aberdeen Sts., to Smith & Brown Co., 111 West Washington St., portions West 103rd and 104th Pl., Aberdeen, South Morgan, West 104th and 105th Sts., to Farr Bros. Co., 356 West 111th St., portions South May, Aberdeen, South Carpenter, South Morgan, South Sangamon, South Peoria, South Green, West 100th, 101st, 102nd and East 87th Sts., to Calumet Coal Co., 9022 Commercial Ave.; grading, curbing, guttering and asphalt on 6 in. concrete paving portions North Artesian Ave., to J. V. McCarthy Co., 77 West Washington St., portions North Nordica and Ellwood Sts., Barton and North Lawler Aves., to Contracting & Material Co., 42 East Pearson St., portions East 81st Pl., Maryland Ave. and West 83rd St., to Amer. Asphalt Paving Co., 133 West Washington St., portion Westworth Ave., to R. F. Conway, 844 Rush St., also portions North Kostner, Bryn Mawr and Montrose Aves., to White Paving Co., 1735 Fullerton St.

**Ill., Chicago**—Cook Co. Highway Dept., to S. Jaicks, c/o Jaicks Bros., 77 West Washington St., concrete paving 1.2 mi. Harlem Ave. $76,960, to Jaicks Bros., 77 West Washington St., 2 mi. Cumberland Rd. $133,468, 1 mi. 1st Ave. $47,436, and 1 mi. 5th Ave. $39,129, to J. Mackler, Chicago Heights, 1 mi. 17th Ave. $35,339, and 4.9 mi. 107th St. $266,600, also to Chicago Heights Coal Co., Chicago Heights, 4.5 mi. Crawford Ave. $168,320. Grand total $767,252.

**Wisconsin**—State Hy. Comn., J. R. McLean div. engr., Superior, will grade and gravel surface, etc. 2.9 mi. State Project 8298, Polk Co., by day labor, under supervision. C. W. Nystrom, highway comr., Balsom Lake.

**Wis., Milwaukee**—To Wisconsin Asphalt Paving Co., Milwaukee, grading and paving East Water St. between Michigan and Mason Sts. $12,945, Menomonee St. between Erie St. and Bway. $6,237, and 13th St. between Cedar and Wisconsin Sts. $13,-438; to Gumz & Switalski, Milwaukee, Greenfield St. between 37th and Trowbridge Sts. $3,411, and Holt Ave. between 8th and 15th Sts. $27,224; to Czerwinski Constr. Co., Milwaukee, Oklahoma Ave. between 11th and 15th Aves., $32,262; and to Parkinson Constr. Co., Milwaukee, 39th St. between Keefe St. and Fond du Lac Ave., $15,152. Grand total $110,669.

**Kan., Marion**—Marion Co., grading, etc., 8.507 mi. Federal Aid Project 47-B, 28 ft., also two 30 ft. deck girder and one 70 ft. truss bridge to R. K. Walters Constr. Co., Marion, $28,817 and $12,810 respectively; two 10' x 28 ft. multi box span bridge, to Gibbs Bros., Peabody, $2,010; and 10 culverts, to A. J. Rhodes, Manhattan, $7,301. Grand total $50,928. Noted Mar. 24.

**Tex., Beaumont**—Grading, 1 in. cold asphalt on 5 in. concrete paving Ashe Ave., Bway., Aves. C and F, etc., to Scott Shambaugh, 1401 Dowling St., Houston, $512,869. Engrs. est. $535,000.

**Wyoming**—State Hy. Comn., Cheyenne **(F.A.P. means Federal Aid Project)**, grading 10.291 mi. F.A.P. 1590, Fremont Co., to Watt Bros. Constr. Co., Buffalo $45,104, and 7.429 mi. F.A.P. 164-D, Natrona Co., to J. J. Dooling, Denver, Colo. $42,355; graveling 23,787 mi. F.A.P. 158-A, Sublette Co., to Taggert Constr. Co., Cody $63,200, 0.8 mi. F.A.P. 33, Hot Spring Co, to Basin Constr. Co., Basin $9,686, 10 mi. F.A.P. 166-A, Converse Co., and F.A.P. 275-A, Laramie Co., to Wickham Bros. & Schwiger, Billings, Mont. $33,595, 10.095 mi. F.A.P. 175-A, Laramie Co., to Tyler and Baker, Rock River $36,554, and 11.397 mi. F.A.P. 179-A, Sheridan Co., to J. B. Selvidge, Bozeman, Mont. $29,646; grading and bridging 0.23 mi. F.A.P. 90, Hot Spring Co., and bridging 1.47 mi. F.A.P. 154-A, Big Horn Co, to C. M. Smith, Thermopolis, $1,891 and $7,950 respectively, 10.291 mi. F.A.P. 1590, Fremont Co., to J. F. Turpin, Wheatland $31,532, and 7.429 mi. F.A.P. 164-D, Natrona Co, to J. Olsen, Casper $22,142. Grand total $323,655.

**Tex., Galveston**—Brick paving 14th, 21st, and 29th Sts., to H. J. Hetkes, 3113 R½ St., $142,288.

**Tex., Wichita Falls**—B. King, c/o 1st Natl. Bank Bldg., asphalt paving Rivercrest Park Addition, to L. E. Whitham & Co., c/o 1st Natl. Bank Bldg., $50,000.

**Oklahoma** — State Hy. Dept., Oklahoma City **(F.A.P. means Federal Aid Project, S.A.P. State Aid Project and e.e. engineers estimate)**, grading, etc. 7.248 mi. F.A.P. 136-A, 18 ft., Creek Co., 222,025 lb. reinforcing, 2,720 ft. cable guard rail, etc., to Altman, Rogers Co., McAlester $182,441 e.e. $200,000, 4.854 mi. F.A.P. 157-A and C, 18 ft., Stephens Co., 152,450 lb. reinforcing 3,140 ft. cable guard rail, etc., to Reynolds & Sutton, Tyler, Tex. $124,122 e.e. $135,000, 6 mi. S.A.P. 111-B, 18 ft., Kay Co., 216,618 lb. reinforcing, 4,920 ft. cable guard rail, 1,612 ft. concrete bank protection, etc., and concrete paving 38,914 sq.yd. F.A.P. 124-K, 110,621 lb. reinforcing, etc., to B. J. & L. Paving Co., Enid $180,124 and $89,647 respectively e.e. $195,000 and $100,000 respectively; concrete paving, etc. 15,840 sq.yd. S.A.P. 449-A and B, Muskogee Co., 10,000 lb. reinforcing, etc., to Gravelle Hamlin Co., Manhattan Bldg., Muskogee $47,530 e.e. $47,000, 31,632 sq.yd. F.A.P. 124-G and H, King Fisher Co., 92,840 lb. reinforcing, 2,480 ft. cable guard rail, etc., to Asplund Constr. Co., Enid $71,600 e.e. $80,000, 42,240 sq.yd. S.A.P. 450, Muskogee Co., 20,000 lb. reinforcing, etc., and 37,736 sq.yd. S.A.P. 139, Okmulgee Co., 106,444 lb. reinforcing, etc, to Ellis & Lewis, Muskogee $144,210 and $97,045 respectively, e.e. $165,000 and $105,000 respectively, 15,-187 sq.yd. F.A.P. 146-A and B, 71,431 lb. reinforcing, etc., and 21,280 sq.yd. F.A.P. 180, 62,595 lb. reinforcing, etc., both Stephens Co., to Hanson & Pearce, Oklahoma City $60,249 and $51,492 respectively, e.e. $65,000 and $55,000 respectively; also sheet asphalt surfacing, etc. 72,438 sq.yd. F.A.P. 208-A, Grady Co., 2,620 ft. cable guard rail, 215,148 lb reinforcing, etc., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $185,869 e.e. $190,000. Grand total $1,234,329. Noted Apr. 7.

**Okla., Ponca City** — Grading and concrete paving Dist. 71, to R. H. Baldwin, 109 East Grand St. $48,333. Engrs. est. $50,000.

**Idaho**—State Hy. Comn., Boise, crushed graveling 13.025 mi. Federal Aid Project 140-A, Bonneville Co.; to Olaf Nelson, Logan, Utah, $91,348.

**Ore., Portland** — Multnomah Co., Court House, grading, paving, etc. St. Helens Rd. between 30th St. and Linnton, to A. D. Kern, 290 East Salmon St., $249,049; and Sandy Blvd. between 82nd St. and Fairview-Gresham Rd., to Warren Constr. Co., Yeon Bldg., $171,265.

**Calif., La Jolla** — La Jolla Properties, Inc., 1½ in. Topeka on 2½ asphalt paving approximately 400,000 sq.ft. various streets in Hermosa Subdivision, to L. B. Butterfield, 1915 Patton St., San Pedro, approximately $105,000.

**Calif., San Diego** — Common Council, grading, curbing, walks and 5 in. concrete paving 78,298 sq.ft. El Cajon Ave., etc., to M. D. Goodbody, 3854 Falcon St., $35,862. Noted May 5.

**Ont., Hamilton**—City Council will pave with concrete Catherine St. and 6 avenues, by day labor, under supervision W. L. McFaul, engr. City Hall. $50,000.

# Buildings—Commercial

## *Proposed Work*

**Me., Bingham**—BANK—Augusta Trust Co., G. E. Macomber, pres., having revised plans prepared by J. C. and J. H. Stevens, 477 Congress St., Portland, 1 story and basement, rein.-con., brick and steel bank building. $150,000. Former bids rejected. Noted Mar. 31.

**Me., Houlton** — COURTHOUSE — Aroostock Co., W. Clark, clk. of courts, having preliminary plans prepared by H. S. Coombs, 11 Lisbon St., Lewiston, 2 story and basement, brick and stone courthouse. $150,000.

**Me., West Pownal**—HOSPITAL and ADMINISTRATION—State of Maine, School for Feeble Minded, c/o H. Coombs, archt., 11 Lisbon St., Lewistown, having sketches made 2 story and basement, 110 x 200 ft. hospital, and 60 x 200 ft. administration building, both rein.-con. and brick, plain foundations, here. To exceed $200,000.

**N. H., Laconia**—DORMITORY—State, Dept. Mental Diseases, having sketches made by Wells & Hudson, Hanover, 3 story and basement, brick, plain foundation. To exceed $150,000. Noted Jan. 13.

**Mass., Attleboro** — THEATRE — Union Theatre, Inc., c/o R. M. Stowell, archt., 184 Boylston St., Boston, having revised plans prepared 1 story and basement, 90 x 115 ft., brick and steel, plain foundation, Union St. $150,000.

**Mass., Boston**—APARTMENT—Browne & Fay, c/o O. A. Watkins, archts., 129 Rock Glen Rd., Medford, having plans prepared 3 story and basement, brick and stone, Forest St., here. Archts. est. $150,000.

**Mass., Boston** — OFFICE and WAREHOUSE—F. P. Wall Co., F. P. Wall, pres., Tacony and Church Sts., Phila., Pa., plans probably brick and steel, West 7th and Tudor Sts., here. To exceed $150,000. Engineer and architect not selected.

**Mass., Boston**—STORE and OFFICE—Whitcomb & Co., 10 State St., having sketches made by Shepard & Stearns, 65 Franklin St., 5 story and basement, brick and granite, 138-140 Federal St. To exceed $150,000.

**Mass., Cambridge** (br. Boston)—CLUB—Knights of Columbus, 2187 Massachusetts Ave., N. C., plans clubhouse, 35 Essex St., here. To exceed $150,000. Private plans.

**Mass., Cambridge** (Boston P. O.)—HOSPITAL—Cambridge Hospital, T. Hailey, 30 Brattle St., having sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, probably 2 story, brick, Mt. Auburn St. $175,000.

**Mass., Lynn** — CLUB — Boys' Club of Lynn, F. A. Strong, supt., 169 Liberty St., having sketches made by Sanborn & Weed, Lynn Item Bldg., 3 story and basement, 75 x 130 ft., brick and stone, plain foundation, 11-15 Pleasant St. $160,000.

**Mass., Roxbury** (Boston P. O.)—MATERNITY—Andrews, Jones, Biscoe & Whitmore, archts., 50 Congress St., Boston, soon lets contract 2 story and basement, 50 x 160 ft., brick and limestone, plain foundation, Parker Hill Ave., here, for Massachusetts Women's Hospital, here. $150,000.

**Mass., Somerset** — MUNICIPAL — Town, c/o F. L. Hanson, chn. building com., having preliminary plans prepared by E. M. Corbett, 78 Bedford St., Fall River, 2 story and basement, brick and stone, plain foundation, Wood St. $150,000.

**Mass., Springfield** — STORE and THEATRE—Goldstein Bros. Amusement Corp. having plans prepared by Blackall, Clapp & Whittemore, 31 West St., Boston, brick and steel, State St. Archts. est. $500,000.

**Mass., Waltham** (Ind. br. Boston)—THEATRE and STORE—Owner, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, hav-

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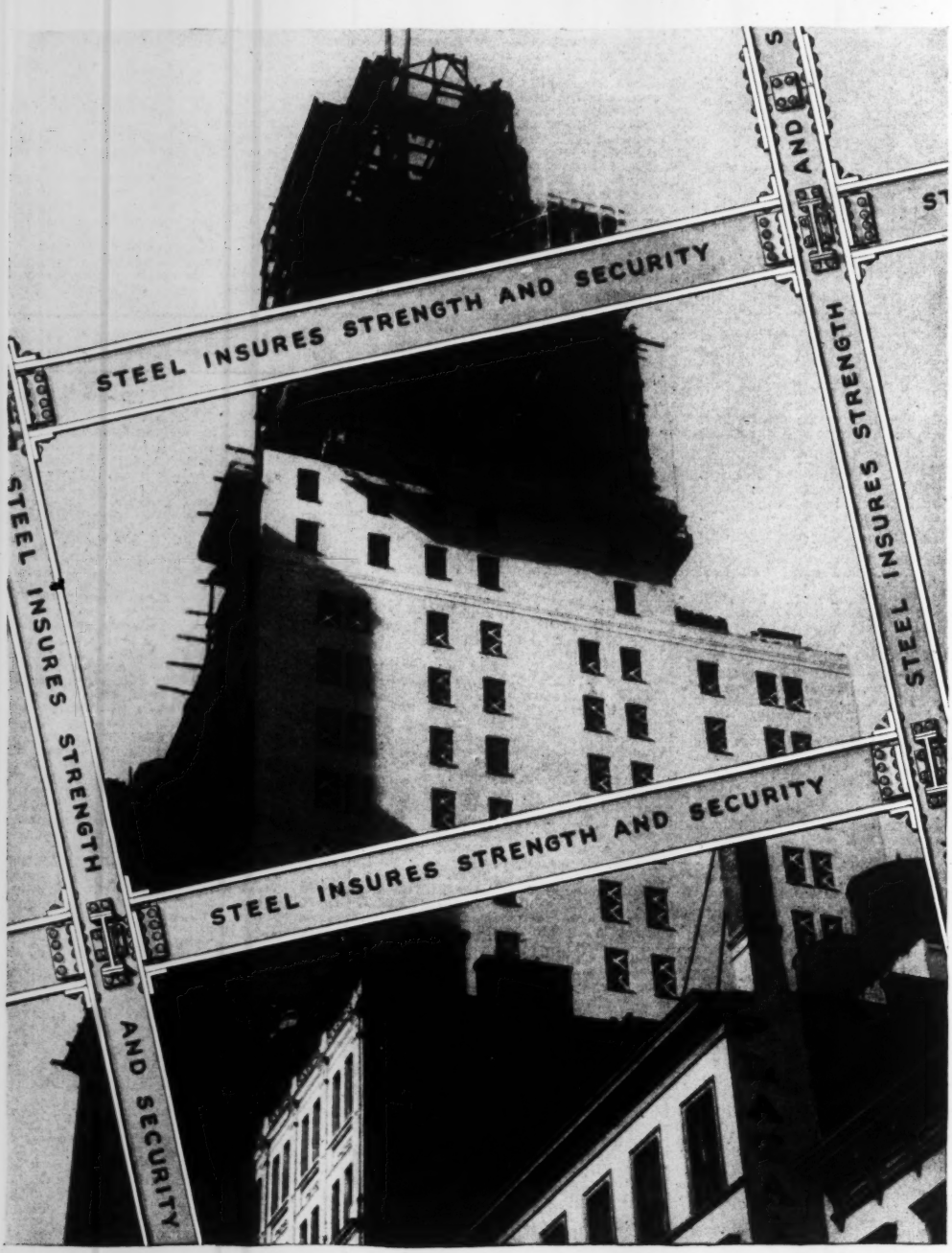
STEEL INSURES STRENGTH AND SECURITY
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# "*STEEL* NEVER FAILS"

THIS is the title of an illustrated manual which the American Institute of Steel Construction has prepared for distribution, not only to technical specialists, but to owners, prospective builders and public officials. It tells the story of structural steel as it has never been told before.

The distribution of "STEEL NEVER FAILS" is only one factor in the present national educational effort of the Institute. Extensive advertising is appearing. The Institute's Code of Practice and Standard Specifications are already in use in more than 100 cities in the United States and Canada with an estimated saving of $30,000,000 a year to owners and taxpayers. Write for complete details now. We will also send a complimentary copy of "STEEL NEVER FAILS."

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*This advertisement is published by the American Institute of Steel Construction, a non-profit service organization of 218 members comprising the structural steel industry in the United States and Canada. Contributing also to the educational fund are these great rolling mills; Bethlehem Steel Company, The Colorado Fuel and Iron Company, Inland Steel Company, Jones & Laughlin Steel Corporation, Scullin Steel Company. The purpose of the Institute is to extend the use of structural steel in construction work of every size and type, from residences to skyscrapers and bridges. The Institute offers fullest co-operation with architects, engineers, the public and all branches of the building trades. Correspondence invited. Address: Lee H. Miller, M. Am. Soc. C. E., Chief Engineer,* AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 285 Madison Avenue, New York City.

Buildings—Commercial (Continued)

ing revised plans prepared 2 story and basement, 90 x 150 ft., brick and steel, plain foundation, Moody St. To exceed $150,000. Former bids rejected. Noted Apr. 21.

**Mass., Winchester**—CLUB—Winchester Country Club, J. Abbott, chn. com., c/o E. S. Read, archt., 177 State St., Boston, plans club house addition, Mystic St. $150,000 or more.

**Mass., Worcester** — THEATRE — Strand Theatre Corp., 62 Front St., plans fireproof theatre, Main St. To exceed $150,000. Engineer and architect not selected.

**Conn., Danbury** — THEATRE — C. D. Parks & W. Mercier having plans prepared by Sunderland & Watson, 248 Main St., rein.-con., brick and steel, 2,000 seating capacity theatre. $300,000.

**Conn., Hartford**—APARTMENT—Shor & Bronstein, 752 Asylum Ave., had plans prepared by Berenson & Moses, 30 Allyn St., 3 story, 89 x 110 ft., brick, stone, and steel, Wethersfield Ave. $150,000.

**Conn., Hartford** — AUTO SALES and SERVICE—White Motor Co., H. R. Hadlow, engr. constr., 842 East 79th St., Cleveland, O., having plans prepared 2 story and basement, 25,000 sq.ft., brick and rein.-con., here. $150,000. Private plans. Noted Dec. 16.

**Conn., Newington** — HOME — Home for Crippled Children, Cedar Hill, F. Slamon, comptroller, State House, Hartford, plans new buildings and additions to home. $300,000. Engineer and architect not selected.

**Conn., New Britain** — THEATRE — Owner, c/o G. LeWitt, 299 Main St., had plans prepared by J. A. Tuck, Park Sq. Bldg., Boston, Mass., 2 story, 115 x 200 ft., rein.-con., brick and steel, Washington St. $250,000. Noted June 24.

**Conn., New Haven**—LODGE—Lodge of Elks, S. E. Hoyt, 195 Church St., chn. building com., having plans prepared by A. W. Boylen, 30 Whitney Ave., 6 story, brick and steel, incl. bowling and billiard rooms, etc., Crown St. To exceed $150,000. Noted May 5.

**Conn., New London**—MUSEUM—Harriet Allyn Estate, Hartford-Connecticut Trust Co., (trustee), 750 Main St., Hartford, plans musuem Norwich Rd., here, for city. $250,000. Engineer and architect not selected.

**Conn., Norwich**—BUSINESS—Silverman Furniture Co., c/o F. Urso, archt., 432 Main St., Stamford, having plans prepared 6 story, brick and steel addition, Main and Water Sts. $150,000.

**Conn., Stamford**—THEATRE—Stamford Playhouse, Inc., I. Wheeler, pres., Silvermine Rd., New Canaan, plans 3,000 seating capacity theatre. $350,000. Engineer and architect not selected.

**N. Y., Brooklyn** — APARTMENT — Burlington Hotel Corp., H. J. Levine, 16 Court St., having plans prepared by B. W. Dorfman, 373 Fulton St., 6 story and basement, rein.-con., brick and steel, plain foundation, Ocean and Woodruff Aves. To exceed $150,000.

**N. Y., Brooklyn** — THEATRE and STORE — Park Slope Amusement Corp., 1540 Bway., having plans prepared by J. Eberson, 250 West 57th St., New York City, rein.-con., brick and steel, plain foundation, 341 9th St., here. $900,000.

**N. Y., New Rochelle**—APARTMENT—Webster-Kress Realty Corp., 280 Madison Ave., New York City, having plans prepared by E. Roth, 1440 Bway., New York City, brick and steel, Webster and Kress Aves., here. To exceed $150,000.

**N. Y., New York**—ARMORY—Armory Bd., Municipal Bldg., having plans prepared by B. W. Levitan, 100 East 42nd St., altering and constructing armory addition, Franklin Ave. and 166th St. $350,000.

**N. Y., New York**—BANK and OFFICE—Benenson Realty Co., 52 East 42nd St., soon takes bids 6 story and basement brick, steel and stone, plain foundation, 167 Bway. $550,000. Walker & Gillette, 128 East 37th St., archts.

**N. Y., New York**—OFFICE—New York Evening Journal Co., Inc., 238 William St., having plans prepared by G. B. Post & Sons, 101 Park Ave., and J. Urban, 5 East 57th St., International Magazine Building, 6 story (ultimately 13 story), brick, steel and stone, plain foundation, 5th Ave. from 57th and 58th Sts. $1,500,000.

**N. J., Linden** — APARTMENT — S. Duchin, West 15th St., having plans prepared by A. J. Silberstein, 60 Park Pl., Newark, 3 story, 75 x 90 ft., brick and timber, plain foundation, Charles St. $150,000.

**N. J., Newark**—BANK and OFFICE—Halsey, McCormack & Helmer, archts., New York City, soon let contract 1½ story, 30 x 100 ft., rein.-con., brick and steel, plain foundation, Broad and Clinton Sts., here, for Natl. Newark & Essex Banking Co., 752 Broad St. $150,000. Noted Mar. 10.

**N. J., Oradell**—CLUB—C. C. Wendehack, archt., 101 Park Ave., New York City, prepared plans and takes bids about May 20, 2 story, brick, plain foundation, here, for Hackensack Golf Club, Central Ave., Hackensack. $150,000. Noted Apr. 14.

**N. J., Palisades Park** — BANK and OFFICE—W. Neuman, archt., 40 Journal Sq., Jersey City, soon lets general contract 2 story, 35 x 75 ft., brick and steel, plain foundation, Columbia and Bway. Aves., here, for Morsemere Trust Co., Broad Ave. $200,000.

**N. J., Paterson**—Y. M. C. A., 141 Ellison St., having sketches made brick and steel, plain foundation, Ward and Prince Sts. $500,000. Engineer and architect not selected.

**N. J., Ridgewood** — APARTMENT — A. Bedell, archt., 21 North Broad St., soon lets general contract 3 story, 35 x 83 ft. brick and steel, plain foundation, Franklin Ave., for Franklin Maple Corp., 9 North Broad St. $150,000.

**N. J., Ridgewood**—APARTMENT—W. Wilsey, 26 Avondale Rd., having plans prepared by D. J. Scrocco, 60 Park Pl., Newark, 5 story, 75 x 125 ft., brick and steel, plain foundation, Franklin Ave. $250,000.

**N. J., South Orange**—APARTMENTS—R. Fishman, 251 Avon Ave., Newark, having plans prepared by E. F. Hauser, 9 Clinton Pl., two 7 story, brick and steel, plain foundation, Scotland Rd. $700,000.

**Pa., Phila.**—CITY HALL—Dept. Pub. Wks. having plans prepared by P. H. Johnson, Widener Bldg., 15 story and basement, 80 x 100 ft., rein.-con., steel and stone addition, plain foundation, 13th and Filbert Sts. $1,000,000.

**Pa., Phila.**—DISPENSARY—Episcopal Hospital, Front and Lehigh Sts., plans dispensary, here. $400,000. Engineer and architect not selected.

**Pa., Phila.**—STORE, SALES and SERVICE—Ballinger Co., archts., 12th and Chestnut Sts., soon lets contract 1 story, 112 x 124 x 169 x 170 ft., brick and steel store, sales and service building, incl. 28 ft. diam. steel smoke stack, 50 ft. high, Germantown Ave. and Bethlehem Pike, for Felt Bros., Packard Bldg.

**Pa., Royersford** — BANK — Royersford Trust Co., J. A. Buckwaller, having preliminary plans prepared by Tilghman-Moyer Co., 141 North 9th St., Allentown, stone bank. $150,000.

**Va., Richmond**—THEATRE—J. Eberson, archt., 250 West 57th St., New York City, soon lets contract brick, steel and stone, rein.-con., plain foundation, 6th and Grace Sts., here, for Loews, Inc., State Theatre Bldg., 45th St. and Bway. $1,300,000. Noted Apr. 2.

**La., Monroe** — OFFICE — P. Bernhardt, c/o J. W. Smith, archt., Ouachita Natl. Bank Bldg., takes bids about May 26, 6 to 8 story, 90 x 110 ft., rein.-con., brick and stone, Desaird and 2nd Sts. $350,000. Noted Mar. 24.

**Tenn., Chattanooga** — HOSPITAL and WORK HOUSE — Hamilton Co. election May 10, $225,000 bonds, hospital and workhouse. W. Cummings, Chattanooga, co. judge.

**O., Cleveland** — TENEMENT — H. Abrams, 1582 Glenmont Ave., had plans prepared by M. Weis, 618 Union Bldg., 3 story and basement, 56 x 157 ft., brick, 1940 East 82nd St. $175,000. Noted Apr. 14.

**O., Cleveland** — THEATRE — Midwest Properties Co., c/o S. H. Stecker, Society for Savings Bldg., having preliminary plans prepared by N. Petti, Williamson Bldg., 1 story and basement, brick, steel and concrete, 3,000 seating capacity, St. Clair Ave. between East 105th and East 106th Sts. $400,000.

**O., Columbus**—EXCHANGE—Ohio Bell Telephone Co., 2077 East 9th St., soon lets contract 1 story (ultimately 3 story) and basement, 75 x 172 ft., brick and rein.-con., Indianaola Ave. $150,000. Private plans.

**Ind., Whiting**—CITY HALL—City having plans prepared by Hamilton, Fellows & Wilkinson, 814 Tower Court, Chicago, Ill., 2 story, brick court house. $200,000.

**Ill., Chicago**—APARTMENT—J. M. McGoorty, c/o E. J. Meles, archt., 105 West Monroe St., having plans prepared 12 story and basement, 60 x 125 ft., rein.-con. and brick, 732 Bittersweet Pl. $500,000.

**Ill., Chicago**—APARTMENT HOTEL—J. H. Klafter, archt., 127 North Dearborn St., prepared plans and soon takes bids 5 story and basement, 75 x 125 ft., rein.-con., brick and terra cotta, 1049-53 Oakdale Ave., for Syndicate, c/o architect. $250,000.

**Ill., Chicago** — HOTEL — Syndicate, c/o M. E. Felwell, 11 South La Salle St., having plans prepared by Lowenberg & Lowenberg, 111 West Monroe St., 6 story and basement, 82 x 82 x 89 ft., fireproof, Lincoln Ave., North Clark and Wells Sts. $350,000.

**Ill., Kankakee** — CITY HALL — Voted $176,000 bonds, new city hall. L. E. Breckman, mayor. Engineer and architect not selected. Noted Apr. 21.

**Ill., Rockford** — INFIRMARY — Winnebago Co. plans tuberculosis infirmary. $175,000. Engineer and architect not selected.

**Ill., Springfield** — JAIL, POLICE STATION, etc. — City had plans prepared by M. Haines, Springfield, and soon takes bids 3 story and basement, 85 x 160 ft., rein.-con., brick and terra cotta. $150,000. Condron & Post, 53 West Jackson Blvd., Chicago, structural engrs. Noted Feb. 10.

**Wis., Milwaukee**—THEATRE—Water-Grand Holdin Co. having plans prepared by Kirchoff & Rose, 210 Sycamore St., 12 story and basement, 143 x 161 ft., rein.-con., brick and steel, wood pile foundation, Wisconsin and West Water Sts. $1,275,000.

**Ia., Newton**—H. Raeder, archt., 28 West Jackson Blvd., Chicago, Ill., soon lets contract 2 story and basement, 132 x 132 ft., brick and steel, Y.M.C.A. building, incl. gymnasium auditorium, etc., here, for F. L. Maytag. $150,000. Noted Apr. 21.

**Mo., St. Louis** — HOTEL — Teich & Sullivan, archts., 64 West Randolph St., takes bids about May 14, altering 16 story and basement, 100 x 220 ft., rein.-con., brick and tile hotel, and constructing 450 room addition to same, Lucas Blvd., 12th and St. Charles Sts., incl. 800 hp. boiler room and 200 ton ice machine, for Jefferson Hotel, L. T. Hay, pres., 12th St. and Locust Blvd. $2,500,000. Noted Feb. 17.

**Tex., Eastland**—COURTHOUSE—Eastland Co., c/o E. S. Pritchard, judge, plans election $300,000 bonds, 5 story and basement, rein.-con., stone and brick, plain foundation.

**Tex., Levelland**—COURTHOUSE—Hockley Co., c/o D. E. McGee, judge, voted $150,000 bonds, new courthouse and jail. Noted Mar. 24.

**Tex., Mercedes**—HOTEL—R. C. Johnson takes bids about May 25, 6 story and part basement, rein.-con. and brick, plain foundation. $200,000. J. I. White, Houston Bldg., San Antonio, archt. Noted Apr. 7.

**Tex., San Antonio**—HOTEL—Baker Hotels, Inc., Gunter Hotel, c/o T. B. Baker, having plans prepared by H. S. Greene, c/o Alamo Bank Bldg., 22 story and part basement, 62 x 140 ft., rein.-con., brick and steel addition, plain foundation, St. Marys and Travis Sts. $1,500,000.

**Tex., Sweetwater**—HOTEL—H. B. Allen and associates takes bids after May 15 and opens same about June 2, 6 story, roof garden and basement, 100 x 140 ft., rein.-con. and brick hotel. $250,000. H. S. Green, Alamo Natl. Bank, San Antonio, and Peters & Haynes, Lubbock, archts. Noted Apr. 21.

**Tex., Wellington** — COURT HOUSE — Collingsworth Co., c/o P. H. Templeton, judge, election May 28, $180,000 bonds, fireproof courthouse.

**Tex., Wichita Falls** — OFFICE — W. Wyatt plans 8 story office building. $400,000. Engineer and architect not selected.

**Okla., Purcell** — COURT HOUSE — McClain Co. election May 24, $160,000 bonds, 3 story and basement, rein.-con. and brick, plain foundation, Creek St. Engineer and architect not announced.

**Wash., Seattle** — LODGE — B.P.O.E. 92, having plans prepared by M. B. Pretica, Pantages Bldg., 10 story addition, 4th and Spring Sts. $800,000. Noted Jan. 14, 1926.

**Wash., Seattle**—OFFICE—Northern Life Insurance Co., 1118 5th St., having plans prepared by A. H. Albertson, J. W. Wilson & Paul Richardson, Seattle, 24 story and basement, 111 x 120 ft., concrete, steel, cut stone and marble (tower building), 3rd and University Sts. $1,000,000. John Mead Howells, 154 East 46th St., New York City, N. Y., consult. archt.

**Calif., Los Angeles**—APARTMENT—H. T. Kellog, c/o Lone Building Co., designers, 520 Wilcox Bldg., having plans prepared 4 story and basement, block, Council St. $150,000.

**Calif., Los Angeles**—BANK and OFFICE—Bank of Italy, 501 West 7th St., having preliminary plans prepared by Morgan, Walls & Clements, Van Nuys Bldg., 12 story, 8th St. and Grand Ave. $6,000,000.

**Calif., Los Angeles**—JUVENILE HALL—Supervs. Los Angeles Co. rejected bids Mar. 28, part 1 and 2 story, 214 x 240 ft., rein.-con., Mission Rd. and Henry St. Noted Mar. 17.

**Calif., Monterey**—HOSPITAL—H. Dormody, et al, Ordway Bldg., having plans prepared by C. A. Tantau, 210 Post St., San Francisco, 2 story and basement, rein.-con., Hartford St. $150,000.

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Buildings—Commercial (Continued)

**Calif., San Francisco**—APARTMENT—H. C. Baumann, archt., 251 Kearny St., soon takes bids 6 story and basement, steel and concrete, Green and Larkin Sts., for M. Marcussen, c/o architect. $200,000.

**Calif., San Francisco**—APARTMENT—O. A. Brown, c/o H. C. Baumann, archt., 251 Kearny St., had plans prepared 6 story and basement, steel and concrete, Vallejo and Octavia Sts. $200,000.

**Ont., Kapuskasing** — HOTEL, HOSPITAL, etc.—R. Goiunlock, archt., Continental Life Bldg., Toronto, soon takes bids concrete, brick and steel hotel, hospital, clubhouse, and school, also central heating plant, here, for Spruce Falls Co., Ltd. $750,000.

**Ont., London** — EXHIBITION BUILDING—See "Unclassified."

**Ont., Toronto**—HOTEL—Ford Hotel Co., Rochester, N. Y., purchased site and plans 15 story and basement, 100 x 219 ft., rein.-con., brick, steel, tile and stone, Bay and Dundas Sts., here. $2,000,000.

**B. C., Vancouver**—CITY HALL—Plans election $1,000,000 bonds, new fireproof city hall, on Central School Grounds. Engineer and architect not selected.

**B. C., Vancouver** — OFFICE — Sharp & Thompson, archts., 708 London Bldg., soon lets contract 2 or 3 story (ultimately 4 story), 104 x 120 ft., rein.-con., Howe and Hastings Sts. for Macaulay, Nichols & Rostners, 746 Hastings St. W. $150,000. P. P. Brown, 407 London Bldg., engr.

**B. C., Vancouver**—SALES and OFFICE—British Columbia Electric Ry. Co., 425 Carroll St., having preliminary sketches made and takes bids about Aug. 1, 2 story and basement, 50 x 120 ft., rein.-con., Granville St. and Dunsmuir Ave. $150,000. Engineer and architect not announced.

## *Bids Desired*

**Mass., Cambridge** (Boston P. O.)—CITY HOME—City, c/o C. R. Greco, archt., 11 Beacon St., Boston, taking bids 3 story and basement, 140 x 400 ft., brick and stone, plain foundation, Concord Ave. $200,000. Noted Oct. 7.

**Mass., Cambridge** (Boston P. O.) — CLUBHOUSE—Miller & Levi, archts., 46 Cornhill, Boston, taking bids 3 story and basement, brick and stone, plain foundation, Gore St. $150,000. Owner's name withheld.

**Mass., Medford** (br. Boston)—APARTMENT—See "Contracts Awarded."

**Mass., Newton Lower Falls** (br. Boston) — APARTMENT — See "Contracts Awarded."

**Mass., Roxbury** (Boston P. O.)—HOSPITAL—Massachusetts Osteopathic Hospital, c/o J. W. Beal Sons Co., archt., 185 Devonshire St., Boston, taking new bids 5 story and basement, brick, plain foundation, Evergreen St. and South Huntington Ave., here. $150,000. Former bids rejected. Noted Mar. 24.

**Mass., Salem**—THEATRE and OFFICE—Owner, c/o J. H. Bickford, archt., 6 Beacon St., Boston, taking bids 3 story and basement, brick, stone and steel, plain foundation, Dodge and Washington Sts. $500,000. Noted Mar. 31.

**Mass., Somerville** (Boston P. O.)—APARTMENT—See "Contracts Awarded."

**Mass., Winchester** — HOSPITAL — Winchester Hospital, B. L. Norton, supt., 41 Highland Ave., taking bids 3 story and basement, brick and stone addition, plain foundation, Highland Ave. $160,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Dec. 16.

**R. I., Lonsdale**—TEMPLE—Unity Lodge 34 taking bids 2 story and basement, brick and stone masonic temple. $150,000 or more. W. G. Upham, Bigelow Blk., Norwood, Mass., archt.

**Conn., Hartford**—DORMITORY—May 18, by Y.W.C.A., 166 Church St., brick and steel, Broad St., for Y.W.C.A., 262 Ann St. $250,000. Smith & Bassette, 36 Pearl St., archt. Noted Mar. 31.

**Conn., Middletown**—BANK—Middletown Savings Bank, 100 Main St., taking bids 4 story and basement, steel and stone, plain foundation, Main and Court Sts. $150,000. Hopkins & Dentz, 415 Lexington Ave., New York City, archts., Davis & Walldorf, 870 College St., New Haven, Conn., associated archts. Noted Oct. 14.

**Conn., Stonington**—TOWN HALL—May 20, by Town, Bd. Selectmen, 2 story and basement, 70 x 100 ft., brick and steel, Elm St. $150,000. Norton & Townsend, 405 Main St., New Haven, archts. Noted Apr. 28.

**N. J., Asbury Park**—May 16, by H. E. Warren & L. E. Warren & L. E. Smith, archts., 247 Park Ave., New York City, general contract 4 story, 100 x 157 ft., rein.-con., brick and steel, plain foundation, here, for Y.M.C.A. $300,000. Noted Mar. 17.

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**N. J., Elizabeth**—APARTMENT—F. P. Friedman, archt., 461 18th Ave., Newark, taking bids general contract 3 story, 90 x 115 ft., brick and steel, plain foundation, Acme and Caton Sts., here, for Workers Home Realty Co., 80 Broad St. $150,000.

**N. J., Elizabeth**—STORE and OFFICE—R. C. Edwards, archt., 251 North Broad St., taking bids general contract 8 story, 50 x 100 ft., rein.-con., brick and steel, plain foundation, 1143-5 East Jersey St., for Bentrap Realty Co., 251 North Broad St. $300,000.

**N. J., Englewood**—COUNTRY CLUB—C. C. Wendehack, archt., 101 Park Ave., New York City, taking bids 2 story, 50 x 175 ft., brick and stone, plain foundation, here, for Philips Manor Country Club, Cedar Lane, Teaneck. $150,000.

**N. J., Jersey City** — BANK — Purdy & Davis, archts., 350 Madison Ave., New York City, taking bids general contract brick and steel, plain foundation; Bergen Ave., here, for Bergen Ave. Trust Co., Bergen and Fairmount Aves. $150,000.

**N. J., West New York** — BANK — See "Contracts Awarded."

**Pa., Germantown** (Phila. P. O.) — May 17, by Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., 4 and 5 story and basement, 90 x 311 ft., rein.-con., brick and steel, plain foundation, Green St., here, for Y. M. C. A., c/o W. L. Grubler, chn. building com., 219 High St., Phila. $650,000. Noted Jan. 6.

**Pa., Wilkes-Barre**—BANK—May 16, by Miners Bank, West Market and South Franklin Sts., c/o W. L. Stoddart, archt., 50 East 41st St., New York City, 12 story, mezzanine and basement, 51 x 152 ft., rein.-con., brick and steel addition, plain foundation, here. Noted May 5.

**La., New Orleans**—TEMPLE—May 19, by E. Weil, Inc., archts. Hibernia Bank Bldg., rein.-con. and marble temple, for Temple Sinai Congregation. $250,000. Noted May 6, 1926.

**O., Columbus** — APARTMENT — See "Contracts Awarded."

**O., Columbus**—THEATRE—May 14, by H. C. Holbrook, 39 West Broad St., 3 story 90 x 120 ft., brick, steel and concrete, West Broad St. $250,000. C. H. Crane, 542 Griswold St., Detroit, Mich., archt. Noted Jan. 20.

**Mich., Detroit**—HOSPITAL—May 20, by A. Kahn, archt., 1000 Marquette Bldg., 8 story and basement, 88 x 299 ft., and 60 x 150 ft., irregular shaped, rein.-con., brick and stone addition, plain foundation, Brush Blvd., for Harper Hospital, John R. St. Noted Apr. 28.

**Mich., Saginaw**—OFFICE—May 16, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 3 story and basement, 60 x 120 ft., rein.-con., brick and stone, plain foundation, Warren Ave., here, for Consumers Power Co., Saginaw. $200,000. Noted Jan. 27.

**Ill., Chicago**—APARTMENT HOTEL—May 15, by C. V. Hatzfield, archt., 7 South Dearborn St., 6 story and basement, 85 x 100 x 100 ft., rein.-con., brick and terra cotta, Diversey and Lincoln Aves., for E. Dirks, 1168 Diversey Ave. $200,000.

**Ill., Murphysboro** — COURT HOUSE — May 18, by Bd. Supervs. Jackson Co., H. A. Hagler, clk., 2 story, rein.-con. and brick court house. $350,000. N. S. Spencer & Son, 25 East Jackson Blvd., Chicago, archts. Noted Jan. 27.

**Wis., Milwaukee** — APARTMENT, HOTEL and STORE—H. V. Miller, archt., 1119 49th St., taking bids 8 story and basement, 60 x 88 ft., rein.-con. and brick, plain foundation, Jackson and East State Sts., for S. Buchbinder, 611 Summit Ave. $200,000.

**Kan., Dodge City**—HOSPITAL—May 17, by Mann & Co., archts., 722 Rorabough Wiley Bldg., Hutchinson, rein.-con. and brick hospital, here, for Protestant Hospital. $150,000. Noted Apr. 21.

**Mo., Kansas City**—APARTMENT—See "Contracts Awarded."

**Ark., El Dorado**—COURT HOUSE—May 16 (extended date), by Union Co., c/o C. H. Murphy, chn. com., 4 story and basement, 92 x 161 ft., rein.-con. and stone court house. $725,000. Mann & Stern, 705 A.O.U.W. Bldg., Little Rock, archts. Noted Oct. 28.

**Tex., San Antonio**—HOSPITAL—Santa Rosa Infirmary taking bids 5 story and basement, 50 x 160 ft., rein.-con., and brick addition, plain foundation, Houston St. and Santa Rosa Ave., $300,000. A. B. and R. M. Ayres, 626 Bedell Bldg., archts. Noted Mar. 17.

**Calif., Los Angeles**—APARTMENT—See "Contracts Awarded."

**Calif., San Francisco**—APARTMENT—See "Contracts Awarded."

**Calif., Venice**—HOTEL-APARTMENT—See "Contracts Awarded."

**Ont., London**—CITY HALL—May 21, by T. C. McBridge, archt., City Hall, 4 story and basement 90 x 200 ft., brick, steel and stone, Dundas St., for City Council. $285,000. Noted Apr. 21.

**Ont., Toronto**—APARTMENT—See "Contracts Awarded."

**D. C., Wash.**—GYMNASIUM and HALL—May 20, by District Comrs., District Bldg., combined gymnasium and reception hall at Petwirth School.

## *Contracts Awarded*

**Me., Augusta**—BANK—First Natl. Granite Bank, 244 Water St., altering and constructing 2 story and basement, rein.-con., brick and steel, Water St., to Tracy & Metcalf, 11½ Oak St. Archts. est. $150,000.

**Mass., Haverhill** — CITY HALL — City, Building Dept., 3 story and basement, 30 x 100 ft., brick and stone addition, plain foundation, Lincoln St., to Z. A. Houle, 53 Central St., Lowell. Archts. est. $150,000. Noted Apr. 21.

**Mass., Medford** (br. Boston)—APARTMENT—Browne & Fay, c/o O. A. Watkins, archt., 129 Rock Glen Rd., will build 3 story and basement, brick, plain foundation, Forest St. $150,000. Work will be done by separate contracts.

**Mass., Newton Lower Falls** (br. Boston)—APARTMENT—Davis & Vaughan, 75 Commonwealth Park, Newton Centre, will build 2 and 3 story and basement, irregular shaped, brick, plain foundation, Leslie Rd., here. $300,000. Work will be done by separate contracts. Private plans.

**Mass., Somerville** (Boston P. O.)—APARTMENT—Z. A. Cliff, 29 Powder House Terrace, will build 4 story and basement, brick and stone, concrete foundation, Grove St. $150,000. Work will be done by separate contracts. Private plans.

**Mass., Springfield**—HOSPITAL—Roman Catholic Diocese of Springfield, F. O'Leary, pastor, 3 story and basement, brick and limestone addition, plain foundation, Carew St., to J. P. Keating, 80 Boylston St., Boston. Archts. est. $150,000. Noted Dec. 2.

**Conn., Meriden** — TEMPLE — Masonic Temple Assn., 104 East Main St., general contract 3 story, 70 x 100 ft., brick, stone and marble, East Main St., to W. Martin & Sons, 164 State St., Bridgeport, $133,250. Noted Apr. 7.

**N. Y., New York**—APARTMENT—F. L. Lavanburg, general contract 6 story apartment, on 100 x 230 ft. site, Goerck St. between Stanton and East Houston Sts., to Fredburn Constr. Corp., 31 Union Sq. Noted Mar. 10.

**N. Y., New York** — CLUBHOUSE — Adrien Block Realty Corp., for Block Hall, 6 story and basement clubhouse, 21 South Williams St., to Office of William Neill Smith, 101 Park Ave. Archts. est. $175,000.

**N. Y., New York**—GARAGE—Reclamation & Building Corp., A. Brisbane, pres., 238 William St., 4 story, brick and steel addition, 5-19 East 102nd St., to Turner Constr. Co., 420 Lexington Ave. Archts. est. $150,000.

**N. Y., White Plains** — HALL OF RECORDS — Bd. Supervs. Westchester Co., Court House, F. L. Merritt, clk., altering and constructing additions to Hall of Records, to E. Diebitsch, 70 East 45th St., New York City, $127,000. Noted Apr. 14.

**N. J., Camden**—WAREHOUSE—L. B. Rothschild, archt., 215 South Broad St., Phila., Pa., 8 story and basement, 62 x 208 ft., rein.-con. and brick, plain foundation, New White Horse Pike north of Colt Ave., here, to Karno Smith Co., Broad St. Bank Bldg., Trenton, for Security Warehouse Co., c/o architect. Archts. est. $235,000. Noted Mar. 10.

**N. J., West New York**—BANK—West New York Trust Co., 611 Bergenline Ave., will build 2 story, 50 x 100 ft., brick and steel, plain foundation, 619 Bergenline Ave. $150,000. Work will be done by separate contracts. W. L. Stoddart, 50 East 41st St., New York City, archt. Notetd Jan. 20.

**Pa., Merion Station**—APARTMENT—R. G. Pratt, archt., Franklin Trust Bldg., Phila., 2 story and basement, 180 x 199 ft., brick and steel, plain foundation, East Highland Ave., to W. D. and H. T. Smedley, Narberth. Archts. est. $300,000. Owner's name withheld.

**Pa., Phila.**—BANK—Phila. Savings Fund Society, 7th and Walnut Sts., 1 story and basement, 60 x 130 ft., rein.-con., brick and steel, plain foundation, 12th St. south of Market St., to G. A. Fuller Co., Morris Bldg. Archts. est. $150,000.

**Pa., Phila.** — HOME — Ballinger Co., archts., 12th and Chestnut Sts., 4 story, irregular shaped, brick, steel and lime-

Buildings—Commercial (Continued)

stone, plain foundation, Conshocken and Belmont Aves., to W. Steele & Son, 15th and Cherry Sts., for Phila. Home for Incurables, 48th St. and Woodland Ave. Noted Apr. 14.

**Pa., Pottstown**—OFFICE—See "Buildings—Industrial."

**N. C., Pinehurst**—HOTEL—L. Tufts, 5 story and basement, 55 x 250 ft., rein.-con. and steel, at Mid-Pineo, near here, to Goode Constr. Co., 4 West 43rd St., Charlotte, approximately $400,000. Noted Feb. 24 under "Knollwood (mail Aberdeen)."

**O., Cleveland** — APARTMENT — C. C. Siler, 5 story and basement, 50 x 100 ft., brick, East 101st St., to Hamberg Bros., 2935 Woodhill Rd. Archts. est. $200,000. Noted Jan. 27.

**O., Columbus** — APARTMENT — L. Latham, 5 Price Ave., will build 3 story and basement, 80 x 170 ft., brick, steel and concrete, North High St. $200,000. Work will be done by separate contracts. G. Griebal, 88 North Front St., archt.

**O., Springfield**—CHILDREN'S COTTAGE—Bd. Trustees Ohio Masonic Home, general contract 2 story and basement, brick, steel and concrete, on Masonic Home site, to H. R. Blagg & Co., 58 Fountain St., Dayton, $177,353; plumbing and heating, to Bryce Heating & Plumbing Co., Spitzer Bldg., Toledo, $33,589.

**Ill., Chicago** — APARTMENT — A. W. Dickinson, c/o C. W. Lampe & Co., archts., masonry contract 3 story and basement, 147 x 222 ft., brick, Belle Plaine Ave., to F. Ockerlund Co., 4400 Lincoln Ave. Archts. est. $350,000. Noted Jan. 20.

**Ill., Chicago** — HOTEL and STORE — Seven Hundred and Twelve Diversey Building Corp., 712 Diversey Parkway, N. F. Wallach, pres., 134 North La Salle St, general contract, 7 story, brick, on 76 x 140 ft. site, 712-16 Diversey Parkway, to Wallach Bros., 134 North La Salle St. Archts. est. $200,000.

**Mo., Kansas City**—APARTMENT—C. O. Jones, 402 Continental Bldg., will build 4 story and basement, rein.-con. and brick, Ward Parkway and Roanoke St., by day labor. $200,000. Boillot & Louck, Orear Leslie Bldg., archts.

**Tex., Big Spring** — HOTEL — Trost & Trost, archts., 2 Republic Bldg., El Paso, 6 story and basement, rein.-con. and brick, plain foundation, to Ramey Bros., El Paso, approximately $160,000. Noted Apr. 7.

**Calif., Los Angeles**—APARTMENT—A. G. Neff, c/o Merrill & Rahn, archts., Financial Center Bldg., will build 4 story and basement, brick, 70 x 155 ft., South Alexandria Ave., by day labor and subcontracts under supervision of architects. $150,000.

**Calif., San Francisco**—APARTMENT—E. V. Lacey, Hearst Bldg., will build 6 story and basement, rein.-con., Filbert St. near Van Ness Ave., by day labor and subcontracts. $200,000. C. O. Clausen, Hearst Bldg., archt. Noted Jan. 6.

**Calif., San Pedro** — CITY HALL — C. O. Brittain, supt. Municipal Constr. Dept., Los Angeles, will build 7 story, 100 x 117 ft., steel and rein.-con., 7th and Beacon Sts., here, for City of Los Angeles. $570,000. Work will be done by separate contracts. Noted Mar. 10.

**Calif., Venice** — HOTEL-APARTMENT—Platt Holding Co., 7228 Sunset Blvd., Los Angeles, will build 6 story and basement, 80 x 172 ft., rein.-con., Venice Blvd. and 2nd St., by day labor and sub-contracts. $250,000. Meyer-Radon Bros., 6362 Hollywood Blvd., Los Angeles, archt. Noted Mar. 3.

**Ont., Toronto** — APARTMENT — Burk Investments Ltd., 11 Hayden St., will build 3 story and basement, rein.-con., brick, steel and stone, plain foundation, Lawton Ave., by day labor, subletting mechanical trades. $150,000.

# Buildings—Industrial

## Proposed Work

**Mass., Cambridge** (br. Boston)—MANUFACTURING—Lockwood, Greene & Co., engrs., 24 Federal St., Boston, soon let contract 6 story, 135 x 300 ft., rein.-con., here, for Kendall Sq. Associates, Kendall Sq. To exceed $40,000.

**Mass., Everett**—BOILER HOUSE—Beacon Oil Co., 30 Beacham St., having preliminary plans prepared 1 and 2 story, brick, Beacham St. $40,000. Private plans.

**Mass., Shrewsbury** — MANUFACTURING. STOREHOUSE and GARAGE — Chelmsford Ginger Ale Co., Lowell, having plans prepared by T. Hixon, 4 Liberty Sq., Boston, 3 story, 80 x 80 x 245 ft., rein.-con. and brick, plain foundation, Boston and Worcester Rds. To exceed $40,000.

**Conn. Norwalk** — PLANT — Streb Fur Cutting Co., Inc., Depot Pl., had plans prepared by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, brick factory unit, Depot Pl. $40,000 or more.

**N. Y., Lockport** — FACTORY — Harrison Raditor Co. plans factory addition Washburn St. F. Voltaire, Genl. Motors Bldg., Detroit, Mich., engr.

**N. Y., Ray Brook** — POWER PLANT — Dept. Charities, Capitol, Albany, soon takes bids for power house at State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here. S. W. Jones, Capitol, Albany, state archt. Noted Feb. 10.

**N. J., Jersey City**—MANUFACTURING—J. A. Hoegger, Inc., 351 Palisade Ave., having preliminary plans prepared by Lockwood Greene & Co., engrs. and archts., 100 East 42nd St., New York City, brick and steel, plan foundation, Palisade Ave.

**Pa., Greensburg**—SUB-STATION—West Penn Power Co., 18 Wood St., Pittsburgh, having plans prepared 1 story, 30 x 100 ft., brick, concrete and steel sub-station. $70,000. Private plans.

**Pa., Oil City** — REFINERY — Pennzoil Refinery Co. having plans prepared auxiliary buildings, pump house, meter house, receiving building, etc. $325,000. Wedell Eng. Co., Cleveland, O., engr. A. G. McKee Co., 2422 Euclid Ave., Cleveland, associated engr.

**Pa., Phila.**—BOX FACTORY—Crescent Box Co., D and Erie Sts., having plans prepared by Ballinger Co., 12th and Chestnut Sts., 2 story and basement, 80 x 300 ft., rein.-con. and brick, plain foundation.

**Pa., Pittsburgh**—ASSEMBLING PLANT—General Motors Corp., General Motors Bldg., Detroit, Mich., having plans prepared by A. Kahn, 1004 Marquette Bldg., Detroit, Mich., brick and steel, Liberty Ave., here. $300,000.

**O., Dayton**—FACTORY—O'Brien Printing Ink Co., 35 South St. Clair St., plans 4 story and basement, rein.-con. factory, 2nd and Webster Sts. $150,000. Engineer and architect not selected.

**Ia., Muscatine** — HEATING PLANT — City Council plans submitting to voters question of permitting Central Steam Heat & Power Co. to install central heating plants. $500,000.

**Mo., Kansas City**—POWER PLANT—Kansas City Power & Light Co., 14th St. and Grand Ave., having plans prepared remodeling power plant, Grand Ave. $1,500,000. Private plans.

**Mo., Kansas City** — LAUNDRY and INFIRMARY—Holden, Ferris & Barnes, archts., New York Life Bldg., soon lets contract 2 story and basement, 45 x 90 ft., rein.-con. and brick, 31st and Jefferson Sts., for St. Joseph Orphan Home, 31st and Jefferson Sts.

**Mo., Piedmont**—POWER PLANT—See "Dams."

**Mo., Sikeston** — CANNERY — Aiken-Sikeston Canning Co. plans canning factory. $40,000.

**Texas**—PLANT—El Paso Compress & Fumigation Co., c/o A. H. Ajankes, secy., 12th and Tornillo Sts., plans plant in lower Rio Grande Valley. $75,000. Private plans.

**Tex., Big Lake**—OIL and GASOLINE REFINERY — F. E. Smith & associates, Camden, Ark., plans oil and gasoline refinery, here. $500,000. Private plans.

**Tex., Colorado**—COTTON COMPRESS—Colorado Compress Co., c/o P. H. Harryman, mgr., having plans prepared cotton compress, fireproof. $50,000. Private plans.

**Tex., Dallas**—FACTORY—J. E. Mitchell Co., 224 Kerrnish Pl., St. Louis, Mo., purchased site and plans 2 story, 75 x 216 ft., rein.-con., plain foundation, Commerce St. $250,000. Engineer and architect not selected.

**Tex., Harlingen** — MACHINE SHOP — Nicholson & Ackerson, c/o Chamber of Cemmerce, Harlingen, purchased site and plans machine shop. $60,000 incl. machinery.

**Tex., Littlefield** — COMPRESS — Texas Compress & Warehouse Co., Littlefield, having plans prepared compress. $60,000 incl. machinery. Private plans.

**Tex., McAllen** — COLD STORAGE PLANT—Rio Grande Valley Cold Storage Co. having plans prepared dry and wet cold storage plant. $65,000. Private plans.

**Tex., McAllen** — GARAGE and MACHINE SHOPS—C. M. Ludlow and associates plan 3 repair and machine shops. $120,000.

**Tex., Mexia**—BAKERY—J. and J. E. Propp purchased site and making plans 2 or 3 story, rein.-con., Bonham and Commerce Sts. $65,000 incl. equipment.

**Tex., San Angelo** — LAUNDRY — Model Laundry Co. having revised plans prepared and soon takes new bids 1 and 2 story and basement, 40 x 100 ft., brick and rein.-con. laundry. $60,000 incl. machinery. Former bids rejected. Swartz & Hamberlin, 415 Citizens Natl. Bank Bldg., engrs.

**Tex., San Antonio** — COMPRESSION PLANT — P. S. Powell & associates, c/o Gunter Bldg., soon let contract 1 or 2 unit absorption or compression plant for recovery natural gasoline from gas, 7,000 g.p.d. $500,000. Private plans.

**Tex., San Antonio**—FACTORY—Fox Co., c/o C. Newton (owner), Alamo Plaza, having plans prepared by Adams & Adams, Builders Exch. Bldg., approximately 4 story and basement, 90 x 135 ft., rein.-con. and brick, plain foundation, 1700 Blk. Bway. $150,000.

**Tex., San Benito** — WOOD PLANING MILL—D. C. Raybourn, Ft. Smith, Ark., or c/o Chamber of Commerce, San Benito, Tex., having plans prepared wood planing mill, fireproof, here. $100,000, incl. machinery. Private plans.

**Tex., Shamrock** — CARBON BLACK PLANT—Magnolia Petroleum Co., Amarillo, having preliminary plans prepared 2 unit, 36 burner each, 15,000,000 ft. daily output carbon black plant, 17 mi. northwest of here in Wheeler Co. $150,000. Private plans.

**Tex., Snyder**—COTTON GIN—W. J. Ely, Lamesa, and O. Lambert, Colorado, having plans prepared 5 stand 80 saw capacity round and square bale cotton gin, here. $40,000 incl. machinery.

**Tex., Somerset**—REFINERY—Grayburg Oil Co., c/o F. L. Thompson, Maverick Bldg., San Antonio, having plans prepared refinery. $500,000. Private plans.

**Tex., Sweetwater**—REFINERY—Stribling & Travis, purchased Sweetwater Refinery and making plans modern plant. $50,000. Private plans.

**Okla., Purcell**—POWER PLANT—Voted $80,000 bonds, new 80 hp. diesel engine light plant. S. W. Jones, mayor. Engineer not announced. Noted Apr. 28.

## Bids Desired

**Mass., Boston** — PLANT — May 20, by Boston City Hospital, Superintendents Office, altering and constructing 1 and 2 story, brick, plain foundation, Albany St. To exceed $40,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., archts.

**Mass., Haverhill**—BAKERY—See "Contracts Awarded."

**Mass., Peabody** — FACTORY — Strauss Limon Leather Co., 34 Walnut Ave., taking bids 3 story 50 x 140 ft., rein.-con. and brick, plain foundation, Walnut St. $40,000 or more. H. O. Hamilton, 342 Madison Ave., New York City, engrs. and archts.

**Mass., Roxbury** (Boston P. O.)—FACTORY—New England Magnesia Co., 84 Leverett St., Boston, taking bids 2 story, 45 x 200 ft., brick, Heath St., here. $50,000. Miller & Levi, 46 Cornhill, Boston, archts.

**Mass., Watertown**—GARAGE and REPAIR—SEE "Contracts Awarded."

**N. Y., Syracuse**—NEWSPAPER PLANT—Syracuse Herald, c/o Monks & Johnson, archts., 99 Chauncy St., Boston, Mass., taking bids 3 story and basement, rein.-con., brick and stone, plain foundation, North Franklin and Noxon Sts., here.

**Pa., Wilmerding** — SUB-STATION—See "Contracts Awarded."

**Mich., Detroit** — FACTORY — A. Kahn, archt., 1000 Marquette Bdlg., taking bids and opens same about May 10, 5 story, 105 x 1,050 ft., rein.-con., brick and steel, plain foundation, Mack Ave., for Briggs Mfg. Co., Mack Ave.

**Mo., Springfield** — ROUND HOUSE and COACH SHOP—See "Contracts Awarded."

**Mo., St. Louis**—SERVICE—May 31, by Bd. Pub. Serv., 208 City Hall, 3 story and basement, rein.-con., brick and stone service building, incl. central heating plant, laundry, garage and repair shops, Clark Ave., for Fire Dept., J. Pritchard, dir. $825,000. Study & Farrar, Arcade Bldg., archts.

**Tex., San Angelo** — REFINERY — See "Contracts Awarded."

**Colo., Pueblo** — STEEL PLANT — See "Contracts Awarded."

**Calif., Los Angeles**—SUB-STATION—See "Contracts Awarded."

**B. C., New Westminster**—SAW MILL—See "Contracts Awarded."

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Buildings—Industrial (Continued)

### *Contracts Awarded*

**Mass., Arlington**—COMPRESSOR ROOM and BOILER HOUSE — Arlington Gas Light Co., 689 Massachusetts Ave., 1 story, brick and steel, plain foundation, Grove St., to Arlington Constr. Co., 313 Bway. Archts. est. $40,000. Noted Mar. 24.

**Mass., Haverhill**—BAKERY—Twentieth Century Bakery Co., Inc., 32 Fleet St., will build 3 story, rein.-con., brick and steel, plain foundation, Fleet St., by day labor. M. H. Maney, 46 Cornhill St., Boston, archt. To exceed $40,000. Noted Jan. 13.

**Mass., Lynn**—FACTORY—F. C. Stuart, 292 Broad St., 33 story, brick addition, plain foundation, Broad St., to C. H Cunningham & Sons Co., 23 Central Ave

**Mass., Watertown**—GARAGE and REPAIR SHOP — O. Theurer, 171 Watertown St., will build 1 story, 80 x 100 ft., concrete and steel, Arsenal and Taylor Sts., by day labor. $45,000. Private plans.

**Mass., Wellesley**—PLANT—Poors Publishing Co., Babson Park Ave. Extension, 2 story and basement, brick, plain foundation, Babson Park, to E. A. Pomeroy, 48 Wells Ave. Archts. est. $40,000. Noted Apr. 21.

**R. I., Providence**—MILL—Atlantic Mills, 120 Manton Ave., 4 story, brick addition, to J. W. Bishop Co., Butler Exch. Bldg. Archts. est. $40,000 or more. Noted Apr. 21.

**N. J., Irvington** (br. Newark) — FACTORY—E. Potter & Co., 1168 South Grove St., general contract 2 story, 65 x 100 ft., brick and steel, plain foundation, South Grove St., to Fatzler Co., 676 South 16th St., Newark. Archts. est. $40,000. Noted May 5.

**N. J., Kearny**—PLANT—Western Electric Co., Inc., Lincoln Highway, superstructure 1 story and 6 story, 140 x 200 ft. manufacturing buildings, to F. Kilgus, Inc., 13 South 6th St., Newark. Archts. est. $250,000. Noted Mar. 10.

**N. J., Newark** — PLANT — Lockwood Greene & Co., archts. and engrs., 100 East 42nd St., New York City, 3 story, 80 x 200 ft. rein.-con. and brick, concrete foundation, here, to J. W. Ferguson Co., Inc., 152 Market St., Paterson, for Oxweld Acetylene Co., 646 Frelinghuysen Ave. Archts. est. $150,000. Noted Apr. 28.

**Pa., Phila.** — KNITTING MILLS — Raragon Knitting Mills, 3915 Powelton Ave., 2 story and basement, 50 x 170 ft., brick and steel, plain foundation, Rubicon and Collins St., to S. Goldberg, 2446 South 9th St. Archts. est. $60,000.

**Pa., Phila.**—FACTORY—W. Lowenthal, archt., 1208 Chestnut St., 4 story and basement, 40 x 80 ft., brick and steel addition, Frankford and Wildey Sts., to Haverstick & Borthwick, Schaff Bldg., for Jacob Bloom Co., 1049 Frankford Ave. Noted Apr. 7.

**Pa., Phila.**—FACTORY—C. E. Anders, c/o J. F. Clark, archt., 23 South 16th St., 4 story and basement, 60 x 177 ft., brick plain foundation, 25th and Oakford Sts., to Wark Co., 1600 Walnut St. Archts. est. $150,000. C. Baker Co., 225 5th Ave., New York City, lessee. Noted Dec. 16.

**Pa., Pottstown**—FREIGHTHOUSE, etc. —Phila. & Reading R.R. Co., C. Dillenbeck, ch. engr., Reading Terminal Bldg., Phila., 30 x 61 ft. top addition to present and constructing 30 x 196 ft. freight house, and 2 story and basement, 30 x 40 ft. office, brick and steel, plain foundation, also 17 x 219 ft. freight platform, here, to W. L. Hampton, Pottstown.

**Pa., Wilmerding** — SUB-STATION — Duquesne Light Co., 435 6th Ave., Pittsburgh, will build Maple Sub-Station, 1 story and basement, 38 x 51 ft., brick, steel and concrete. $50,000. Work will be done by separate contracts. Private plans.

**O., Cleveland**—MACHINE SHOP—Lake Erie Iron Co., F. R. Scofield, pres., B. F. Keith Bldg., 1 story, 75 x 130 ft., brick and steel, 971 East 63rd St., to J. L. Hunting Co., Guarantee Title Bldg. Archts. est. $40,000. Private plans.

**O., Cleveland**—FACTORY—Auer Register Co., 3608 Payne Ave., 3 story and basement, 43 x 47 ft., brick and steel, 3618 Payne Ave., to M. Swisher, 1718 Lakefront Ave., East Cleveland. Archts. est. $40,000.

**Ill., Chicago**—FACTORY—Leichenko & Esser, archts., 38 South Dearborn St., masonry contract 6 story and basement, 125 x 140 ft., brick addition, 21st St. and Canalport Ave., to W. G. McNulty & Bro., 58 East Washington St., for Chicago Macaroni Co., 2148 Dearborn St. Archts. est. $450,000. Noted Mar. 3.

**Ill., Chicago**—FACTORY—F. H. Hill & Co., 946 West Washington Blvd., masonry contract 1 and 7 story, brick factory, 946-54 West Washington Blvd., to A. F. San, 1300 Burnham Bldg. Archts. est. $115,000. S. & R.

**Minn., Minneapolis**—FACTORY—Strutwear Knitting Co., 1013-21 6th St. S., general contract 2 or 3 story and basement, rein.-con. and brick addition, here, to James Leck Co., 211 South 11th St. Total approximately $175,000.

**Minn., St. Paul** — WAREHOUSE and TRUCK TERMINAL—Murphy Transfer & Storage Co., E. L. Murphy, pres., 175 East 8th St., general contract 5 story and basement, rein.-con. and brick, Bway. between 9th and 10th Sts., to F. C. Norlander, 408 Metropolitan Bank Bldg. Archts. total est. approximately $200,000. Noted Mar. 24.

**Mo., Springfield** — ROUND HOUSE and COACH SHOPS—St. Louis & San Francisco R.R. Co., F. G. Jonah, ch. engr., Frisco Bldg., St. Louis, will build 7 stall round house addition at North Side Shops, and 1 story, 60 ft. coach shop addition to West Side coach shops, both rein.-con. and brick, here, by company's forces. $100,000. Noted Apr. 7.

**Tex., Brownwood** — GRAIN MILL — Austin Mill & Grain Co., grain mill, addition, incl. 8 concrete storage tanks with elevators, 90 ft. high, 160,000 bu. total capacity, to Stevens Eng. Co., Burder Bldg., St. Louis, Mo., $80,000.

**Tex., San Angelo** — REFINERY — San Angelo Refining Co., will build refinery plant to triple present output, near here, by own forces. $75,000. Private plans.

**Colo., Pueblo** — STEEL PLANT — Colorado Fuel & Iron Co., E. H. Weitzel, vice-pres. and genl. mgr., will rebuild and modernize open hearth plant, increasing production from 600,000 to 1,000,000 tons annually, by own forces. $1,000,000.

**Calif., Los Angeles**—SUB-STATION—Los Angeles Gas & Electirc Co., 810 South Flower St., will build 2 story, 50 x 100 ft., brick and concrete, West Pico St., by day labor. $45,000.

**B. C., New Westminster**—SAW MILL—International Wood Products Co. Ltd., foot of 4th Ave., will build new saw mill and dry kilns, by day labor. $200,000. Private plans.

**B. C., Victoria**—PRINTING BUREAU—Provincial Govt., general contract 3 story, concrete and stucco, Government St., to E. J. Ryan Contg. Co., Ltd., 445 Granville St., Vancouver, $111,000 (if stone is used $7,000 extra). Noted Sept. 2.

## Buildings—Educational, Religious

### *Proposed Work*

**Me., Ellsworth**—HIGH SCHOOL—Town, C. O. Turner, chn. com., plans altering and constructing 2 story and basement, brick and stone addition to high school. $150,000 or more. Engineer and architect not selected.

**Me., Presque Isle**—SCHOOL—Town plans training school in connection with Aroostook State Normal School on site of old building, recently destroyed by fire. $190,000. Engineer and architect not selected.

**Mass., Belmont**—CHURCH—All Saints Church, c/o H. Chisholm & H. T. Underwood, archts., 46 Cornhill, Boston, having sketches made altering and constructing 1 story and basement, brick and granite addition, plain foundation, Common St. $150,000.

**Mass., Brookline** (br. Boston)—TEMPLE —Congregation Ohabei Shalom, 11 Union Park St., Boston, having plans prepared by Blackall, Clapp & Whittemore, 31 West St., Boston, 1 story, basement, and tower, brick and limestone, plain foundation, Beacon St. $350,000.

**Mass., Cambridge** (br. Boston)—NURSES HOME—Cambridge Hospital, T. Hailey, chn. com., 30 Brattle St., having sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, 3 story and basement, brick, Mt. Auburn St. $175,000.

**Mass., Groveland** (Ind. br. Haverhill)—HIGH SCHOOL—Town, c/o G. A. Kent, supt. schools, plans 2 story and basement, brick and stone, plain foundation. $150,000. Engineer and architect not selected.

**Mass., Lynn** — HIGH SCHOOL — City, Schoolhouse Dept., City Hall, plans high school. To exceed $150,000. Engineer and architect not selected.

**Mass., Mattapan** (Boston P. O.) — CHURCH — Mattapan Baptist Church, A. Bernard, pastor, Norway Rd., raising $150,000 funds, and having sketches made by Woodbury & Stuart, 581 Boylston St., Boston, church.

**Mass., North Adams** — CHURCH — Methodist Episcopal Church, C. T. Phelps, chn., having plans prepared by Woodbury & Stuart, 581 Boylston St., Boston, church, Main St. $150,000.

**Mass., Quincy** (Boston P. O.)—CHURCH —Swedish Congregational Church, H. R. Nelson, pastor, 11 Roselin Ave., plans 1 story and basement, brick and stone, plain foundation, Granite St. $150,000. Engineer and architect not selected.

**Mass., Revere**—SCHOOL—City, c/o Superintendent Schools, City Hall, having plans prepared by W. W. Drummey, 80 Boylston St., Boston, 2 story and basement, brick and stone addition to McKinley School, plain foundation. $150,000.

**Mass., Seekonk**—SCHOOL—Bd. Educ., C. Bessington, chn., plans 2 story and basement, brick addition to Monroe's School. $150,000. Engineer and architect not selected.

**Mass., Somerset**—HIGH SCHOOL—Town, c/o F. H. Gardner, chn. com., Pottersville, plans 2 story and basement, brick and stone, County St., here. $150,000. Engineer and architect not selected.

**Mass., Springfield** — CHURCH — Trinity Methodist Episcopal Church, H. A. Moses, pastor, 55 Riverview Terrace, plans church $150,000 or more. Engineer and architect not selected.

**Mass., Taunton** — SCHOOL — City, c/o C. J. Carey, chn. com., plans 2 story and basement, brick and stone continuation school, plain foundation. $150,000. Engineer and architect not selected.

**Mass., Weymouth** — SCHOOLS — Town, P. T. Pearson, supt. schools, having preliminary plans prepared by H. B. S. Prescott, 12 Pearl St., Boston, 1 and 2 story and basement, brick high school addition Middle St., and Pratt School addition, Pleasant St. $150,000 or more. Noted Mar. 3.

**R. I., Pawtucket**—SCHOOL—City, W. A. Newall, supt. schools, plans probably brick and stone school. $150,000. R. C. N. Monahan, 255 Main St., archt.

**R. I., Winthrop**—HIGH SCHOOL—Town, c/o W. H. Brainard, archt., 89 Franklin St., Boston, Mass., having plans prepared Junior High School, 2 story and basement, brick addition, plain foundation, Herman St., here. $150,000.

**Conn., Bridgeport** — HIGH SCHOOL — City, Bd. Educ. having plans prepared by E. G. Southey, 983 Broad St., Bassick Junior High School, brick and steel, Fairfield Ave. $450,000. Noted July 1.

**Conn., Hartford** — ASYLUM — Hebrew Ladies Orphan Asylum, Inc., S. Cross, 18 Asylum St., chn. building com., having plans prepared by Ebbets & Fried, 15 Lewis St., 3 story and basement, 45 x 125 ft., rein.-con., brick and steel, Blue Hills and Towers Aves. $150,000.

**Conn., New Britain**—CHURCH—Church of St. John the Evangelist, T. J. Laden, pastor, plans church, East St. $250,000. H. Ludorf, New Britain, archt.

**Conn., Watertown** — HIGH SCHOOL — Town, c/o School Dept., City Hall, plans high school. $150,000. Engineer and architect not selected.

**N. Y., Willard** — EMPLOYEES and NURSES HOME — Dept. Mental Hygiene, Capitol, Albany, soon takes bids employees and nurses home at Willard State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted Feb. 10.

**N. J., Fort Lee**—SCHOOL—Bd. Educ. having sketches made by E. Sibley, Bluff Rd., Palisade, rein.-con., brick and steel, plain foundation, here. $675,000.

**N. J., Glen Ridge**—NURSES HOME—Mountainside Hospital, Highland Ave., Montclair, having preliminary plans prepared by York & Sawyer, 100 East 42nd St., New York City, 4 story, brick and steel addition, plain foundation, here. $450,000.

**Pa., Lancaster**—SCHOOLS—Voted $1,250,000 bonds, 2 high school additions $450,000 each, and 1 grade school $350,000, all 2 story, brick, concrete and steel, for Bd. Educ. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

**Pa., Overbrook** (mail Phila.)—SCHOOL —Bd. Educ., c/o P. C. Mayfield, secy., 2343 Walton Ave., Mt. Oliver Sta., Pittsburgh, having plans prepared by L. Stevens, Century Bldg., Pittsburgh, 2 story and basement, irregular shaped, brick and hollow tile school, here. $150,000.

**Pa., Phila.**—INSTITUTE and MUSEUM —Franklin Institute, H. McClenahan, 15 South 7th St., plans rein.-con., brick and stone, plain foundation, Vine, Wood, 18th and 19th Sts. $4,000,000. Engineer and architect not selected.

**Pa., Phila.**—MUSEUM—Estate of Jules Mastbaum, c/o P. Cret & J. Greber, archts., Otis Bldg., having plans prepared Rodin Museum, stone, plain foundation, Parkway between 21st and 22nd Sts. $400,000.

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Buildings—Educational, Religious (Cont.)

**Tenn., Chattanooga** — SCHOOL—Hamilton Co. election May 10, $800,000 bonds, school. W. Cummings, Chattanooga, co. judge.

**Ill., Glencoe**—SYNAGOGUE—A. S. Alschuler, archt., 28 East Jackson Blvd., Chicago, soon takes bids 2 story and basement, 200 x 200 ft., brick and steel, Lincoln and Vernon Aves., here, for North Shore Congregation Israel, c/o M. W. Spitz, Glencoe. $275,000. Noted Mar. 24.

**Ill., Rockford** — NURSES HOME and CHILDREN'S BUILDING — City and Winnebago Co. plans nurses home and children's building at tuberculosis sanatorium. $175,000. Engineer and architect not selected.

**Mo., St. Louis**—DORMITORY—Washington University, Skinker and Forsythe Blvds., takes bids about May 20, 2 story and basement, 50 x 200 ft., rein.-con. and stone dormitory. $200,000. Jamieson & Spearl, Arcade Bldg., archts. Noted Sept. 30.

**Mo., Sedalia**—SCHOOLS—Election May 20, $220,000 bonds, remodelnig present and constructing 2 new schools, here, for Bd. Educ. Noted Apr. 7.

**Tex., Beaumont**—SCHOOLS—Plans election $450,000 bonds, 2 high school buildings, $150,000-$175,000 each and improvements to ward buildings. Address O. J. Bloyd, city mgr.

**Tex., Edinburg**—SCHOOLS—Voted $1,700,000 bonds, schools here and rural districts, for Edinburg Independent School Dist., c/o H. C. Baker, supt. schools.

**Calif., Inglewood** — HIGH SCHOOL — Inglewood Jr. High School Dist. plans election $150,000 bonds, addition to Junior High School.

**Calif., Montebello**—SCHOOL—Montebello Bd. Trustees, voted $175,000 bonds, grammar school. Engineer and architect selected soon.

**Calif., Santa Maria** — SCHOOL — Santa Maria School Dist., plans election $150,000 bonds, new school and additions to present schools.

**Calif., Ventura** — COLLEGE — Ventura Junior High School Dist. plans election bonds to exceed $150,000, Junior College.

**Ont., Toronto**—CHURCH—Beech Ave. United Church having plans prepared by J. F. Brown, 2 Bloor St. E., 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Kingston and Scarborough Rds. $150,000.

## *Bids Desired*

**Vt., Castleton**—DORMITORY—May 16, by State Bd. Educ., Montpelier, rein.-con., brick and steel, incl. central heating plant. $150,000. A. H. Smith, Gryphon Bldg., Rutland, archt. Noted Apr. 14.

**Vt., Rutland**—NURSES HOME—Rutland Hospital, c/o A. H. Smith, Gryphon, Bldg., taking bids 3 story and basement, 45 x 105 ft., brick and tile, plain foundation. $150,000. Noted Mar. 24.

**Mass., Medford** (br. Boston)—SCHOOL—St. Clements Roman Catholic Church, T. F. McCarthy, pastor, 64 Warner St., taking bids 2 story and basement, brick and stone, plain foundation, Warner St. $150,000. M. P. Meade, 80 Boylston St., Boston, archt.

**Conn., Storrs**—COLLEGE—June 3, by Connecticut Agriculture College, F. L. Salmon, comptroller, State House, Hartford, having competitive plans prepared 3 story and basement college, 1,000,000 cu.ft. floor space, here. $354,000. Engineer and architect not selected. Noted Jan. 27.

**Conn., Hartford**—SCHOOL—May 16 (extended date), by City, Northwest Dist., H. U. Tuttle, chn., 3 story and basement, 72 x 115 ft., brick, steel and concrete, Holcomb St. $250,000. W. D. Johnson Co., 174 Bond St., archts. Noted Apr. 28.

**N. Y., Mexico**—HIGH SCHOOL—May 21, by Bd. Educ., 2 story and basement, 110 x 143 ft., brick, steel and concrete school. $175,000. H. O. Fullerton, Natl. City Bldg., Cleveland, O., archts. Noted Feb. 3.

**N. Y., Port Chester** — SYNAGOGUE — Lifereth Kneseth Israel Society taking bids 1 and 4 story and basement, 75 x 100 ft. and 65 x 75 ft., rein.-con., brick and steel synagogue and community center. $250,000. J. Weinstein, Metropolitan Bldg., New Haven, Conn., archt. Noted Jan. 20.

**N. Y., Richmond Hill (Ind. br. Jamaica)**—HIGH SCHOOL—June 7, W. H. Gompert, supt. School Buildings, Flatbush Ave. extension, and Concord St., Brooklyn, Richmond Hill High School, 89th Ave., 114th and 113th Sts., here, for Bd. Educ., 500 Park Ave., New York City. Noted Dec. 16.

**N. J., Pleasantville**—LYCEUM—May 13, E. G. Perrot, archt., 1211 Arch St., Phila., Pa., 2 story, 80 x 127 ft., rein.-con., brick and steel, plain foundation, Chestnut and Decatur Sts., here, for St. Peters Roman Catholic Church, F. J. McCallion, rector. $200,000.

**Pa., Cornwells Heights** — CONVENT — May 16, by E. J. Perrat, archt., 1211 Arch St., Phila., 3 story and basement, 90 x 123 ft. and 45 x 87 ft., rein.-con., brick and steel, convent extension, and normal school, plain foundation, here, for St. Elizabeths Convent, Bensalem Twp., Bucks Co. (Doylestown). $300,000.

**Pa., McVeytown**—HIGH SCHOOL—May 17, by Bd. Educ., B. S. Dieffenbach, secy., 3 story and basement, 100 x 136 ft., brick and steel high school for McVeytown and Oliver Twp. School Bds. $150,000.

**Ind., East Chicago**—SCHOOL—St. Johns Catholic School, T. F. Chemma, taking bids 3 story and basement, 120 x 121 ft., brick, steel and stone school. $200,000. Sandell & Strong, 10 East Huron St., archts.

**Ind., Terra Haute**—SCHOOL—Indiana State Normal School, L. N. Hines, supt., taking bids Physical Educational Building, 2 story and basement, 143 x 146 ft., rein.-con., brick, steel and stone, 3,500 seating capacity. $150,000. Johnson-Miller, Miller-Yeager, 30 North 5th St., archts. Noted Nov. 18.

**Mich., Detroit**—RECREATION—May 16, by Dept. Recreation, 504 Elmwood Ave., 2 story and part basement, rein.-con., brick and steel, plain foundation, incl. swimming pool, gymnasium, and auditorium, Canfield St. $190,000. Carey & Esselstyn, 602-3 Hoffman Bldg., archt.

**Mich., Detroit**—SCHOOL—May 19, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Norfolk and Wisconsin Aves. $165,680. N. C. Sorensen, 2231 Park Ave., archt.

**Mich., Sault Ste. Marie**—HIGH SCHOOL—May 23, by Bd. Educ., 3 story and basement, rein.-con., brick and stone addition to Junior High School, etc. $300,000. J. D. Chubb, 109 North Dearborn St., Chicago, Ill., archt. Noted Mar. 3.

**Wis., Milwaukee**—NURSES HOME—St. Marys Hospital, c/o Sister Dolores, 144 Lake Dr., taking bids and opens same about May 12, 5 story and basement, rein.-con., brick and Bedford stone nurses home, Lake Dr. $500,000 . O'Meara & Hills, Arcade Bldg., St. Louis, Mo., and Pioneer Bldg., St. Paul, Minn., archts. Noted Apr. 21.

**Que., Quebec City**—MUSEUM—May 19, by Pub. Wks., 3 story, 80 x 250 ft. museum. $160,000. W. Lacroix, 132 St. Pearre St., archt. Noted Jan. 13.

## *Contracts Awarded*

**Me., South Portland**—SCHOOL—City, G. H. Mionot, mayor, 2 story and basement, brick and stone, plain foundation, Pine and Mussey Sts. to O. G. K. Robinson, Westbrook. Archts. est. $150,000. Noted Mar. 17.

**Mass., Boston**—HOME—Home for Aged Couples, H. Clarke, pres., 2055 Columbus Ave., Roxbury, 3 story and basement, brick and limestone, plain foundation, Herman and Walnut Sts., to Sawyer Constr. Co., 16 Arlington St. Archts. est. $150,000. Noted Feb. 17.

**Mass., Cambridge** (Boston P. O.)—STORE and SCHOOL—Manter Hill School, Inc., Holyoke St., 3 story and basement, brick and limestone, plain foundation, Holyoke St., to C. S. Patten, 139 West Emerson St., Melrose. Archts. est. $150,000. Noted Apr. 21.

**Mass., Chelsea (br. Boston)** — HIGH SCHOOL—St. Rose's Parish, M. J. Scanlon, pastor, altering and constructing 2 story and basement, brick and stone addition, Chestnut St., plain foundation, to Capobianco Constr. Co., 46 Cornhill, Boston. Archts. est. $150,000. Noted Apr. 14.

**Mass., Cambridge** (br. Boston) — CHURCH — Prospect St. Congregational Church, W. McNair, pastor, 1 and 2 story and basement, brick and stone addition, plain foundation, to Joslin & Landry, 107 Massachusetts Ave., Boston. $150,000.

**Mass., Salem**—HIGH SCHOOL—City, J. J. McCarthy, 81 Washington St., 2 story and basement addition, Highland Ave., to Pitman & Brown, Salem, $316,786; electrical work to M. B. Foster Electric Co., 514 Atlantic Ave., Boston, $20,000; plumbing, to J. H. Larkin, 206 Corey Rd., Brookline, $23,009; heating and ventilating to J. F. Cabeen, 81 North St., $63,243. Grand total $423,038. Noted Mar. 31.

**R. I., East Greenwich**—SCHOOL—Town, J. D. Miner, chn. building com., 2 story and basement, brick and steel, 1st Ave., to O. and S. Lavigne, Arctic. $250,000.

**N. Y., New York**—SYNAGOGUE—Congregation B'nai Jeshurun, 257 West 88th St., 9 story, brick, steel and stone, plain foundation, West 88th St., to Lustbader Constr. Co., 286 Madison Ave. Archts. est. $1,000,000. Noted Aug. 5, 1926.

**N. Y., Springfield Gardens** (mail Jamaica)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 37, Belknap Ave., here, to Willetts Constr. Co., Park Ave. and 95th St., New York City, $425,300. Noted May 5.

**N. J., Cranford**—SCHOOL—Bd. Educ., 109 Unoin Ave., 2 story, brick addition, Lincoln Ave., to M. Reisz, Fords, $169,931; heating and ventilating, to W. F. Conklin, 310 Slocum Pl., Long Branch, $30,471. Noted May 5.

**N. J., Hoboken** — SCHOOL — E. T. Graham, archt., 171 Newbury St., Boston, Mass., general contract 4 story, brick and steel, plain foundation, Hudson St., here, to J. A. Meenan, 153 West 72nd St., New York City, for St. Peter and St. Paul Roman Catholic Church, 404 Hudson St. Archts. est. $150,000.

**Pa., Immaculata** — COLLEGE — Villa Maria College, 4 story and basement, 45 x


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Buildings—Educational, Religious (Cont.)

204 ft., rein.-con., brick and steel addition, plain foundation, to McCloskey Co., 1620 Thompson St., Phila. Archts. est. $250,000. Noted Apr. 21.

**Pa., North Braddock** (Braddock P. O.)—HIGH SCHOOL—School Dist. of North Braddock, general contract Junior High School, 1 and 2 story and basement, 171 x 192 ft., to Hodder Constr. Co., Talbot Ave., Braddock, $154,500. Noted Apr. 21.

**O., Ashtabula** — SCHOOL — Bd. Educ., Ashtabula Twp., general contract 2 story and basement, 124 x 144 ft., brick, steel and concrete, to Lake Shore Constr. Co., Ashtabula, $90,750. Noted Mar. 31.

**O., Cleveland** — HIGH SCHOOL — Bd. Educ., F. G. Hogen, dir., East 6th St. and Rockwell Ave., 3 story and basement, 160 x 292 ft., brick, steel and concrete, East 131st St., to C. Peterson Constr. Co., 4500 Euclid Ave., $574,800. Noted Mar. 17.

**O., Dayton** — DORMITORY — Springfield Masonic Home, Springfield, brick, steel and concrete dormitory, here, to H. R. Blagg Co., 1229 East 3rd St., $200,000.

**Ill., Bensonville**—CHILDRENS HOME—W. C. Jones, archt., 19 South La Salle St., Chicago, general contract three 2 story buildings, here, to Schmidt Constr. Co., 160 North La Salle St., for Evangelical Synod, Chicago. Noted Jan. 20.

**Wis., Green Bay**—HIGH SCHOOL—Bd. Educ., I. H. McIntire, secy. Junior High School, 4 story, rein.-con., brick and steel, plain foundation, Shawano Ave., to Mads Madsen Co., 527 2nd Ave., Minneapolis, Minn., $400,357. Noted Mar. 171.

**Mo., St. Louis**—MEDICAL SCHOOL—St. Louis University, Grand and West Pine Blvds., 5 story and basement, 50 x 50 ft., and 50 x 97 ft., rein.-con., brick and stone buildings, etc., Grand and Caroline Sts., to Widmer Eng. Co., Laclede Gas Light Co. Archts. est. $600,000.

# Federal Government Work

## *Proposed Work*

**Pa., Phila.** — Refrigerating and Cold Storage Plant—Spec. 5348—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans automatic refrigerating plant, consisting motor-driven refrigerating machine, cooling coils, automatic control and safety devices, etc.; also refrigerator and refrigerator display counter, at Navy Yard, here.

## *Bids Desired*

**Me., Portland**—Remodeling—June 1, at office Supervising Archt., Wash., D. C., remodeling interior U. S. Marine Hospital, here; adv. E. N.-R. May 12.

**Fla., Key West**—Light Towers—May 31, by Superintendent Lighthouses, metal work complete for three light towers; adv. E. N.-R. May 12.

**Fla., Marianna**—Post Office and Court House—June 13, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing post office and court house, here; adv. E N.-R. May 12.

**Mich., Frankfort**—Breakwater—June 10, by U. S. Engineer Office, Milwaukee, Wis., constructing south breakwater and shore connection, here; adv. E. N.-R. May 12.

**Mo., Napoleon**—Revetment—May 17, by U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 8,200 ft. standard revetment in Missouri River, at Camden Bend, approximately 3 mi. from here.

**Colorado**—Road—May 17, by J. W. Johnson, dist. engr. Bureau Pub. Rds., Custom House, Denver, grading 1.19 mi. Chicago Creek, Rd. 2, Natl. Forest Rd. Project, Clear Creek Co.

**Arizona** — Roads — May 17, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, Calif., grading and rock surfacing 13.6 mi. Grand Canyon-Desert View Rd. (Grand Canyon Natl. Park), Coconino Co.

**Calif., Livermore**—Building, etc.—June 10, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing buildings and utilities, incl. walks at U. S. Veterans Hospital 102, here. F T. Hines, dir.; adv. E. N.-R. May 12.

**Calif., Los Angeles**—Dredging—May 27, by U. S. Engineer Office, Central Bldg., dredging 4,000 ft. east basin to extend from turning basin to vicinity Slip 5, also deepeningexisting channel to 32 ft. mean low water over width 300 ft. at bottom, etc.

**Calif., Red Bluff**—Post Office—June 14, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here; adv. E. N.-R. May 12.

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## *Contracts Awarded*

**Conn., Hartford**—Dredging—U. S. Engineer Office, Providence, R. I., dredging in Connecticut River, below here, to Hartford & New York Transportation Co., New Pier 19, East River, New York City, N. Y., $15,000. Noted Mar. 17.

**N. Y., Sunmount**—Building, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., buildings and utilities at U. S. Veterans Hospital 96, here, to N. P. Severin Co., 222 West Adams St., Chicago, Ill., $266,600. This corrects report in Apr. 28 issue.

**Pa., McKees Rocks**—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to A. M. Lundberg, 208 North Bway., St. Louis, Mo., $72,600. Noted Apr. 28.

**Pa., Pittsburgh**—Locks—U. S. Engineer Office, constructing Deadman Island Locks, Ohio River, to U. G. I. Contg. Co., Broad and Arch Sts., Phila., $1,765,496. Noted Mar. 31.

**N. C., Fort Bragg**—Water Main—Constructing Quartermaster, 21,600 lin.ft. 12 in. c.i. main, to Tunstall-Johnson Co., Citizens Bank Bldg., Norfolk, Va., $47,900 (90 days). Noted Mar. 31.

**N. C., Oteen**—Receiving Building—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., general contract receiving building, here, to Tobin Constr. Co., 3415 Cambridge St., St. Louis, Mo., $226,499. Noted May 5.

**Ill., Chicago**—Gravel and Sand—U. S. Engineer Office, 537 South Dearborn St., gravel and sand at Chicago Harbor, to Construction Materials Co., 133 West Washington St., $14,350 and $5,980 respectively. Noted Mar. 31.

**N. M., East Las Vegas** — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., constructing post office, here, to J. V. Grogan, Adams, Mass., $126,586. Noted May 5.

**Calif., Livermore**—Fence and Gates—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., fence and gates at U. S. Veterans Hospital 102, here, to Michael & Pfeffer Iron Wks., 1415 Harrison St., San Francisco, $6,100. Noted Mar. 17.

# Unclassified

## *Proposed Work*

**Park—Waltham** (Ind. br. Boston), **Mass.**—City Council plans 54,000 sq.ft. park, Tavern Sq. $25,000. Private plans.

**Gas Holder—Winchester, Mass.**—Arling-Gas Light Co., 689 Massachusetts Ave., Arlington, plans gas holder, concrete and steel, Cross St., here. $25,000 or more. Gas & Electric Impvt. Co., 77 Franklin St., Boston, engrs.

**Asphalt Plant—Providence, R. I.**—City, c/o F. E. Waterman, city engr., plans asphalt plant, Fields Point. $50,000.

**Sprinkler System — Syracuse, N. Y.** — City plans automatic sprinkler systems in old public schools. $45,000. N. F. Pitts, Jr., City Hall, engr.

**Exit Facilities and Fire Stops—Utica, N. Y.** — Dept. Mental Hygiene, Capitol, Albany, soon takes bids exit in facilities and fire stops at Utica State Hospital, here.

**Swimming Pool — Norristown, Pa.** — Owner, c/o F. I. Corson, archt., Norristown, having plans prepared 75 x 100 ft., rein.-con. swimming pool, Elmwood Park.

**Electrical Distribution System — Tybee** (Summer P. O.), **Ga.** — Voted $250,000 bonds, electrical distribution system.

**Airplane Hangar — Paris, Tenn.** — West Tennessee Air Lines, P.O. Box 327, Paris, soon takes bids 1 story, 50 x 100 ft., corrugated iron and steel airplane hangar.

**Tunnel—Kent, O.**—W. A. Cluff, secy. Bd. Trustees Kent Normal School, soon takes bids approximately 350 ft. 6 x 6 ft. concrete tunnel, pipes, sewers and water service, etc., $30,000; also revamping steam heating system, $25,000. Ronan & Ingleson, 1614½ North High St., Columbus, engrs.

**Subway—Kansas City, Mo.**—Jackson Co. (Independence), plans rein.-con. subway, east end 23rd St. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., engrs.

**Block Signal System — Arkansas and Tennessee**—Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., takes bids about May 12 (extended date), complete automatic block signal system between North Little Rock, Ark., Bald Knob, Ark. and Memphis, Tenn. and Little Rock, Ark., to Benton and Hot Springs, Ark. $1,000,000. Noted Apr. 7.

**Culverts—Arkansas**—See "Railways."

**Land Development—Texas**—Pe-Ark Oil & Gas Co., c/o R. G. Bollinger, J. A. Ward, Jr., Adelaide St., Fort Smith, Ark., purchased 3,600 acres land and plans developing same, Pecos Co. $100,000. Private plans.

**Absorption Gasoline Plant — Amarillo, Tex.** — Maupin & Burnett soon take bids unit, 36,000 gal. daily capacity absorption gasoline plant, near here. $150,000. Private plans.

**Screening Plants — Austin, Tex.** — State Bd. Control soon takes bids 9 new portable crushing screening plants. $54,000. R. A. Thompson, state highway engr.

**Distributing System — Canyon, Tex.** — Texas Gas Co., Amarillo and Abilene, plans natural gas distributing system, incl. all machinery, here. $30,000. Private plans.

**Land Development — Carrizo Springs, Tex.** — Hughes & Laxson making plans developing 32,000 acres land in Winter Garden Dist. $200,000. Private plans.

**Land Development — Dilley, Tex.** — Witherspoon & Hagy, c/o E. N. Breckenridge, making plans developing 3,700 acres land 4 mi. south here, incl. irrigated well, etc. on each 40 acres in the tract. $100,000.

**Baseball Park—Houston, Tex.**—H. F. Jones & Tabor, archts., 209 Union Natl. Bank Bldg., soon take bids baseball park, 12,500 seating capacity, St. Bernard St., for F. Ankerman, 1655 Hawthorne St., and W. A. Parish, 3918 Mt. Vernon Ave. $250,000.

**Lighting System—Marfa, Tex.**—Central Power & Light Co., Frost Bldg., San Antonio, c/o C. R. Norman, mgr., Marfa, made plans rebuilding entire lighting system, incl. new machinery $30,000 or more. Private plans.

**Land Development—San Antonio, Tex.**—H. E. Dickinson, c/o Central Trust Bldg., purchased 385 acre site and plans high type residential or estate development, incl. sewers, natural gas system, sidewalks, paving, waterworks, etc., west of Woodlawn Terrace addition near here. $1,000,000. Private plans.

**Land Development—San Antonio, Tex.**—H. C. Thorman, N. S. Dickinson & B. G. Irish, c/o 123 East Travis St., purchased 250 acre site and plans improving same incl. sewers, paving waterworks, etc., near here. To exceed $2,000,000. Private plans.

**Gas Pipe Line — Vernon, Tex.** — Community Natural Gas Co. Vernon, making plans 8 in. natural gas pipe line from Rock Crossing. $45,000. J. T. Shelton, Vernon, engr. Owner's may do work by day labor.

**Transmission Line—Oklahoma**—Southwest Light & Power Co., Braniff Bldg., Oklahoma City, made plans 18 mi. 3,300 volt electric transmission line from near Elk City to Sayre with sub-station at Sayre. $30,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

**Grain Elevator—Alva, Okla.**—W. B. Johnson Grain Co. made plans new 200,000 bu. capacity grain elevator along railroad yards. $60,000. Horner & Wyatt, 468 Bd. Trade Bldg., Kansas City, Mo., engrs.

**Gas System—Guymon, Okla.**—Made preliminary plans natural gas system, incl. 31,000 ft. 2- to 6-in. steel pipe, etc. $36,000. F. E. Devlin, Sedgwick Bldg., Wichita, Kan., engr.

**Zinc Smeltering Block—Quinton, Okla.**—Quinton Smelter Co. plans additional block of furnaces to zinc smelter. $40,000. T. C. Patton, supt. Private plans.

**Steel Pipe Line—Colorado and Texas**—Cities Service Co., 60 Wall St., New York City, Prairie Oil & Gas Co., New York City, and Standard Oil Co. of New Jersey, 26 Bway., New York City, will build 350 mi. 20 and 22 in. rolled steel pipe line from Amarillo, Tex., gas fields to Denver, Colo., via Pueblo, Colo., incl. booster stations, provided cities of Pueblo, Colorado Springs and Denver, also other small towns in Texas and Colorado, approve satisfactory rates. $22,700,000.

**Car Barns—Hamilton, Ont.**—Hamilton Street Railway Co. soon takes bids cement and brick car barns. Excavation for same, to A. Cope & Sons, 29 Albert St. Engrs. total est. $300,000. Noted July 15.

**Arena and Exhibition Building—London, Ont.**—Western Fair Bd., J. A. Saunders, pres., having plans prepared by J. M. Moore, 489 Richmond St., live stock arena, brick and steel, $250,000, also 2 story, 80 x 250 ft., brick exhibition building, $75,000, on Fair Grounds.

**Coal Dock and Water Tower — St. Thomas, Ont.** — Canadian Natl. Ry., New Union Sts., Toronto, T. T. Irving, ch. engr. (Central Region), plans coal dock and water tower, concrete and steel, here. $60,000.

**Gravel and Brick Plant — New Westminster, B. C.**—A. T. Gaul, engr., 135 13th Ave. W., Vancouver, takes bids about May 13, sand, gravel and brick plant producing 150,000 bricks per day, on Fraser River

Unclassified (Continued)

opposite Annieville near here, for X. L. Sand, Gravel & Brick Co., c/o engineers. $100,000.

**Grain Elevator—Victoria, B. C.**—Ratepayers of Victoria will vote on guarantee of bond interest on $500,000, for construction grain elevator at Ogden Point for Panama Pacific Grain Terminals Ltd., Victoria. Engineer not appointed.

**Power Project — United States and Mexico** — United States and Mexican Governments making surveys irrigation and power project, 400,000,000 acres along Rio Grande, Tia Juana and Colorado Rivers. $125,000,000. M. E. Anderson, Gunter Hotel, San Antonio, Tex., comr.

## Bids Desired

**Subway—New York**—May 18 (extended date), by Bd. Transportation, 49 Lafayette St., New York City, constructing Sect. 1, Route 101, portion Rapid Transit R.R. under Church and Fulton Sts., Manhattan Boro, under East River, and under Cranberry, Furman High Sts., etc. to point near intersection of Jay and Nassau Sts., Brooklyn Boro.; adv. E. N.-R. May 12. Noted Mar. 31.

**Special Work—Brooklyn, N. Y.**—May 13, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, special work (order 40) for use in constructing part Coney Island Yard, here.

**Tracks, etc.—Corona** (Ind. br. Flushing), N. Y.—May 20, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, tracks, special work, bumping posts, etc. at Corona Yard, here.

**Park Improvements—St. George, N. Y.**—May 17, by Park Bd., at office Dept. Parks, Arsenal Bldg., Central Park, New York City, grading, topsoiling, installing water supply, Kentucky rock asphalt paving various walks and constructing greenhouse, all at Silver Lake Park, here; also constructing tool house, at Hero Park, here.

**Towing Boats—Syracuse, N. Y.**—May 20 by T. F. Farrell, comr. Canals & Waterways, Albany, constructing and delivering 4 steel towing boats at Barge Canal Terminal, here; adv. E. N.-R. May 12.

**Heating and Ventilating — New Brunswick, N. J.** — St. Peter's Hospital, Somerset St., taking bids heating and ventilating for proposed hospital. $25,000. Maginnis & Walsh, 100 Boylston St., Boston, Mass., archts. Noted Nov. 18, under "Buildings—Commercial."

**Tunnel—Asheville, N. C.**—May 16, by City and Buncombe Co., highway tunnel through Beaucatcher Mountain, etc. Howerton Eng. Co., Asheville, engrs.; adv. E. N.-R. May 12.

**Comfort Stations — Indianapolis, Ind.** — May 19, by Bd. Park Comrs., City Hall, comfort stations at various playgrounds, ball diamond, and tourist camp, at Riverside Park. Noted Jan. 13.

**Air Port—Kansas City, Mo.**—Clay Co. taking bids airport, incl. paving, also lighting system, etc. $100,000. R. Waddell, City Hall, engr.

**Trunk Cables—St. Louis, Mo.**—See "Contracts Awarded."

**Telephone System—St. Louis, Mo.**—See "Contracts Awarded."

**Wharf Deck—Los Angeles, Calif.**—May 18, by F. B. Cole, genl. mgr., City Harbor Dept., wharf deck, retaining walls and footing, etc., incl. 1,696 cu.yd. rein.-con., 118 tons reinforcing, 1,500 lb. rustless steel plates, 11,300 lb. iron fittings, for 120 x 900 ft. transit shed, Berths 228-D-E. City Harbor Eng. Dept., engrs.

## Contracts Awarded

**Foundation—Lowell, Mass.**—St. Jeanne D'Arc Church, foundation 1 story and basement church, to L. Marion & Son, 12 Martin St. Noted Apr. 7 under "Buildings Educational, Religious."

**Park Improvements—Lynn, Mass.**—Bd. Park Comrs., concrete walks etc. in Memorial Park, Lynn Common and Sanderson Ave., playground, to J. W. Sheenham, 365 Western Ave. Engrs. est. $25,000 or more.

**Ties and Timber—Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, untreated ties and timber (Order 17) for use in Coney Island Yard, here, to R. J. Walker Lumber Co., $54,964. Noted Mar. 14.

**Gas Holder—Erie, Pa.**—Penna Gas Co., 213 2nd Ave., Warren, constructing 5,000,000 cu.ft. water tank gas holder, 185 ft. high, 210 ft. diam., concrete and steel, to Riter Conley Co., Oliver Bldg., Pittsburgh. Engrs. est. $310,000.

**Comfort Station — Wash., D. C.** — Pub. Building & Pub. Parks, comfort station at Lincoln Memorial, here, to English Constr. Co., 15 West 91st St., New York City, N. Y., $14,925. Noted Apr. 21.

**Sea Wall — Ft. Lauderdale, Fla.** — For 5,700 ft. sea wall, etc. on both sides New River, to Powell Bros., Ft. Lauderdale, $92,000.

**Stadium—Birmingham, Ala.**—City, rein.-con. stadium, 40,000 seating capacity, to Foster & Creighton, 4th and 1st Bldg., Nashville, Tenn., $404,760.

**Warehouse and Shed—Mobile, Ala.**—Alabama State Docks Comn., State Office Bldg., concrete and steel warehouse and sheds for Pier 2, to Fred T. Ley Co., San Jose Blvd., South Jacksonville, Fla., $877,598. Noted Apr. 14.

**Stadium—Elyria, O.**—Bd. Educ., rein.-con. stadium, to Hill & Hill Co., Elyria, $36,365. Noted Mar. 17.

**Grain Elevator — Carthage, Mo.** — Morrow-Kidder Milling Co., 33 x 52 ft. grain elevator, rein.-con., 93 ft. high, also remodeling, etc., old house, to Southwestern Eng. Co., Woodruff Bldg., Springfield. Engrs. est. $40,000.

**Telephone System — St. Louis, Mo.** — Southwestern Bell Telephone Co., 11th and Pine Sts., will construct approximately 5 mi. underground and aerial cables along South Gravois Ave. and feed 11 aerial cables east from Gravois Ave. between Upton and Treman Aves., by day labor. $36,000. Private plans.

**Trunk Cables—St. Louis, Mo.**—Southwestern Bell Telephone Co., 11th and Pine Sts., will construct 2 mi. trunk cables in underground conduits between Cabany and Wabash exchanges, with own forces. $197,000. Private plans.

**Stadium — Grand Forks, N. D.** — University Memorial Corp., P. L. Samuelson, secy., University of North Dakota, general contract rein.-con. and brick stadium, 15,000 seating capacity on campus, to Thorvaldson-Johnson Co., Grand Forks, $134,270. Noted Apr. 7.

**Swimming Pool,. etc—Denver, Colo.**—Jantzen-Denver Aquatic Athletic Corp., 406 Patterson Bldg., general contract 100 x 208 ft., 150 x 275 ft., and 33 x 110 ft. swimming pool, dance hall, 64 ft. high, Sperr Blvd. and West 7th Ave., to J. J. Cooke, 406 Patterson Bldg. Noted Apr. 14.

**Grain Elevator—Seattle, Wash.**—Comrs. Port Seattle, constructing and equipping 500,000 bu. addition to grain handling plant of Hanford Street Terminal, incl. conveying machinery, etc., to Albertson, Cornell Bros. and Walsh, Seattle. $150,900.

**Lighting System — Alhambra, Calif.** — Ornamental lighting system on Front St., etc., to R. A. Wattson, 1026 North McCadden Pl., Los Angeles, $45,300. Noted Apr. 7.

**Gas Holder—Long Beach, Calif.**—C. S. Henderson, city mgr., 10,000,000 cu.ft. gas holder, to Stacey Bros. Gas Constr. Co., 5535 Carthage Pike, Cincinnati, O., $619,000. Noted Apr. 21.

**Lighting System—Los Angeles, Calif.**—Ornamental lighting system on Pico Blvd. between Robertson Blvd. and Beverly Dr., to City Impvt. Co., 955 South Alameda St., $24,991.

**Overhead Crossing—Los Angeles, Calif.**—Pacific Electric Ry. Co., F. C. Johnson, ch. engr., Pacific Electric Bldg., will build overhead crossing over Pico Blvd., tracks will be elevated on 950 ft. trestle, 36 ft.; also furnishing and erecting structural steel, to McClintic-Marshall Co., 110th St., $33,000. Owner furnishes rock and sand.

**Stadium—Pasadena, Calif.**—Tournament of Roses Assn., H. W. Hall, secy., 90 South Raymond St., enlarging Rose Bowl Stadium, incl. constructing concrete and frame grandstand addition, increasing seating capacity to 75,000, grading, etc., to W. A. Taylor & Sons, 32 West Union St., $150,000. Noted Apr. 21.

**Arena—San Francisco, Calif.**—I. Zellerbach, et al, 534 Battery St., 137½ x 275 ft. prize fight arena, concrete and steel, Post and Steiner Sts., to Barrett & Hilp, 918 Harrison St., $400,000.

**Dredgers—San Francisco, Calif.**—U. S. Smelting & Refining Co., Hobart Bldg., 7 steel hull dredgers, electrically driven for use in Alaska, to Bethlehem Ship Building Corp., Matson Bldg., San Francisco, approximately $1,600,000.

**Rock Bunkers—San Francisco, Calif.**—Golden Gate-Atlas Building Materials Co., Inc., 540 8th St., heavy timber rock bunkers, Harrison St. near 16th St., to Lindgren-Swinerton, Inc., Standard Oil Bldg., $35,000.

**Grain Elevator — Sarnia, Ont.** — Sarnia Elevator Co., Ltd., A. R. Donahue, chn., 1,000,000 bu. grain elevator, cement and steel, Waterfront St., to MacDonald Eng. Co. of Canada, Sarnia, $507,000. Noted Feb. 3.

**See proposal advertising on page 168**

# Materials

## Proposed Work

**Coarse Aggregate—Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, rejected bids Apr. 27, 10,000 cu.yd. 1½ in. coarse aggregate. Noted May 5.

## Bids Desired

**Gravel—Boston, Mass.**—May 16, by Dept. Pub. Wks., beach gravel as required until Dec. 31. H. S. Frost, supt.

**Stone Ballast and Pine Lumber—Boston, Mass.**—May 17, by Transit Dept., 1 Beacon St., 13,000 tons stone ballast for Dorchester Rapid Transit Tunnel; and 113,000 ft. long leaf yellow pine lumber. T. F. Sullivan, chn.

**Wood Blocks—Boston, Mass.**—May 17, by Supply Dept., 45,000 wood blocks to Bridge Serv. H. S. Frost, supt.

**Pig Lead, etc.—Providence, R. I.**—May 16, by Bd. Contr. & Supplies, 25,000 lb. pig lead and 30,000 lb. lead pipe to Dept. Pub. Wks. J. E. Dunne, chn.

**Cable—Hartford, Conn.**—May 17, by Bd. Contr. & Supply, 10,000 ft. 15 conductor, and 2,000 ft. 10 conductor lead cable. R. N. Clark, city engr.

**Rubber Insulated Wire and Cable — Phila., Pa.**—May 19, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., rubber insulated wire and cable, and copper wire, Contr. 51.

**Copper Wire and Cable—Phila., Pa.**—May 13, by Dept. Pub. Safety, G. Elliott, dir., 70,000 ft. 10 hard drawn rubber-covered, double braided 0 to 600 volts, Natl. Electric Code Standard copper wire; and 2,700 ft. 220 paper and lead covered copper cable, No. 10 gauge.

**Tie Plates, etc.—Phila., Pa.**—May 13, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., tie plates, joint bars, etc., Contr. 48; frogs and crossings, Contr. 50; also steel superstructure for bridges, Contr. 49. This corrects report in May 5 issue.

**Pipe — Akron, O.** — May 16, by W. F. Peters, dir. Pub. Serv., 2,100 ft. (500 tons) 36 in. c.i. pipe with fittings, etc. in Case Ave. and Bank St.

**Rails and Tie Plates — Toledo, O.** — May 27, Ann Arbor R.R. Co., F. J. Bishop, engr, Maintenance of Way, Owosso, Mich., 3,000 tons of 90 lb. relaying steel rails and 130,000 only second hand steel tie plates suitable for 90 lb. relaying rails.

**Lead Pipe—Chicago, Ill.**—May 17, by City, Room 406, City Hall, 96,525 lb. ¾- to 2-in. lead pipe at 3150 South Sacramento Ave. R. W. Wolf, comr. Pub. Wks.

## Contracts Awarded

**Oil—Providence, R. I.**—State Bd. Pub. Wks., State House 225,000 gal. asphaltic oil, delivered at various points, to Mexican Petroleum Corp., 164 Allens Ave., $17,955.

**Road Oil and Brick—Hartford, Conn.**—Bd. Contr. & Supply, 350,000 gal. road oil 45% asphalt, and 16,000 gal., 65% asphalt, to Texas Co., Wawarme St., $26,260; and 100,000 brick suitable for catch basins and sewer repair work, to Michael Kane Co., 190 New Park Ave., $1,900. Noted Apr. 21.

**Coarse Aggregate—Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 5,000 cu.yd. 1½ in. coarse aggregate all of which shall be broken stone, to Capitol Sand & Gravel Co., $12,550; also 5,000 cu.yd. coarse aggregate which shall be gravel, to Washington Bulkley Co., 66 Kent Ave., $8,250. Noted May 5.

**Copper Pipe — Baltimore, Md.** — Bd. Awards, 20,000 lin.ft. copper pipe to Bureau Water Supply, to Mueller Co., Decatur, Ill., $3,678. Noted Apr. 14.

**Paving Block—St. Paul, Minn.**—A. E. Eggert, city purch. agt., 3,000 sq.yd. 3.5 in. creosoted wood paving block, to Republic Creosoting Co., Merchants Bldg., Indianapolis, Ind., at $2.39 per sq.yd. f.o.b. cars. Noted Mar. 17.

**Road Oil—St. Paul, Minn.**—F. S. Gram, city purch. agt., 800,000 gal. road oil, to Standard Oil Co., 3rd and Commercial Sts., $48,720. Noted Mar. 17.

**Shell, Gravel and Crushed Rock—Houston, Tex.**—Harris Co., (e.e. means engrs. est.), 20,000 tons gravel, to Gemmer & Tanner, Post Dispatch Bldg., $30,000 e.e. $20,000; 4,000 tons crushed rock, to Dittlenger Lime Co., 2409 Commerce St., $9,600 e.e. $10,000; and 10,000 tons shell, to Parker Bros., Harrisburg, $12,950 e.e. $15,000. Grand total $52,550. Noted Mar. 31.

*Constr. News page* 309

# UNIT PRICES

**On actual contracts gathered by field correspondents, also those sent in by readers**

### *Unit Price Lists Published in April, 1927*

| | | Issue of |
|---|---|---|
| Bridge | Washington | Apr. 21 |
| Bridge | Arkansas | Apr. 28 |
| Borings | New York | Apr. 28 |
| Bridge Approaches | New Jersey | Apr. 14 |
| Highway | California | Apr. 21 |
| Paving | Highland Park, Ill | Apr. 7 |
| Paving | Seattle, Wash | Apr. 21 |
| Road | Idaho | Apr. 7 |
| Road | Delaware | Apr. 7 |
| Road | Florida | Apr. 7 |
| Road | Massachusetts | Apr. 14 |
| Road | Florida | Apr. 14 |
| Road | Delaware | Apr. 14 |
| Road | Washington | Apr. 28 |
| Road | Delaware | Apr. 28 |
| Sewer | Cleveland, O | Apr. 7 |
| Sewer | Paris, Tenn | Apr. 14 |
| Sewer | Akron, O | Apr. 28 |
| Street Improvements | Tacoma, Wash | Apr. 7 |
| Street Improvements | Akron, Ohio | Apr. 7 |
| Subway | New York, N. Y | Apr. 21 |
| Water Mains | Highland Park, Ill | Apr. 28 |

### *Water-Works Prices*

In this section of the Water-Works Issue of *Engineering News-Record* (May 26) will be found the complete unit prices on the 10,000,000-gal. filtration plant for Allentown, Pa. Other lists of similar interest will also appear in this issue.

## Grading—Syracuse, N. Y.

Bids were opened by City, Mar. 28, for backfilling old Erie Canal and grading Erie Boulevard from Genesee Street to Brewster Avenue, from (A) Provo Brothers, 604 North Salina St. (awarded contract); (B) Charles Chetwin; (C) Mondi Construction Co. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| 21,000 cu.yd. excavation | $0.35 | $0.30 | $0.40 |
| 58,000 cu.yd. embankment | .52 | .54 | .59 |
| 20 cu.yd. concrete masonry wall | 15 | 12 | 15 |
| 600 lin.ft. 18 in. vitrified pipe | 1.70 | 1.75 | 2.00 |
| 1,000 lin.ft. 10 in. sewer pipe | 1.20 | 1.25 | 1.50 |
| 30 catch basins | 60.00 | 60.00 | 45.00 |
| 3 manholes 3x4 ft. line | 70.00 | 70.00 | 85.00 |
| 13 manholes lowered | 10.00 | 15.00 | 15.00 |
| 3,500 cu.yd. crushed stone | 1.50 | 1.50 | 1.75 |
| 7,000 cu.yd. mill cinders | .50 | .60 | .90 |
| Totals | $50,920 | $51,815 | $59,845 |

## Subway—New York, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Oct. 11, 1926, for constructing Route No. 104, Sect. No. 2, of Rapid Transit R.R., from (A) Silas Mason, Inc., 17 West 60th St.; (B) The Subsurface Corporation, 709 6th Ave.; (C) Arthur A. Johnson Corp., 3rd St. and West Ave., Long Island City. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| 1(a) 23,550 cu.yd. earth excavation above El. 100 contractor's disposal | $17.00 | $21.00 | $17.00 |
| 1(b) 23,550 cu.yd. earth excavation above El. 100 disposal at W. 58th St. | 17.10 | 21.00 | 17.55 |
| 1(c) 23,550 cu.yd. earth excavation above El. 100 disposal at Rikers Island | 17.05 | 21.50 | 17.00 |
| 2(a) 1,400 cu.yd. earth excavation below El. 100 contractor's disposal | 17.00 | 30.00 | 17.00 |
| 2(b) 1,400 cu.yd. earth excavation below El. 100 disposal at W. 58th St | 17.10 | 30.00 | 17.50 |
| 2(c) 1,400 cu.yd. earth excavation below El. 100 disposal at Rikers Island | 17.05 | 30.50 | 17.50 |
| 3(a) 16,000 cu.yd. rock excavation contractor's disposal | 17.00 | 21.00 | 28.00 |
| 3(b) 16,000 cu.yd. rock excavation disposal at W. 58th St. | 17.10 | 21.00 | 29.00 |
| 3(c) 16,000 cu.yd. rock excavation disposal at Rikers Island | 17.05 | 21.50 | 29.00 |
| 5A(a) 94,400 cu.yd. tunnel excavation contractor's disposal | 19.50 | 22.00 | 28.80 |
| 5A(b) 94,400 cu.yd. tunnel excavation disposal at W. 58th St. | 19.60 | 22.00 | 32.00 |
| 5A(c) 94,400 cu.yd. tunnel excavation disposal at Rikers Island | 19.55 | 22.50 | 32.00 |
| 5L(a) tunnel excavation sta. 44+01 to sta. 46+91 contr's disposal (lump sum) | 4,920.00 | 7,000.00 | 2,000.00 |
| 5L(b) tunnel excavation sta. 44+01 to sta. 46+91 disposal at W. 58th St. (lump sum) | 3,600.00 | 2,000.00 | 13,500.00 |
| 5L(c) tunnel excavation sta. 44+01 to sta. 46+91 disposal at Rikers Island (lump sum) | 3,600.00 | 2,000.00 | 2,000.00 |
| 37,200 cu.yd. concrete masonry | 18.50 | 30.00 | 28.50 |
| 147,100 sq.ft. rubbing to smooth finish the surface of concrete | .15 | .30 | .21 |
| Concrete masonry bet. sta. 44+01 and sta. 46+91 (lump sum) | 3,600.00 | 2,000.00 | 2,000.00 |
| 1,725 cu.yd. protective concrete masonry | 18.50 | 30.00 | 28.50 |
| 15 cu.yd. rubble stone masonry | 12.00 | 30.00 | 14.00 |
| 30 cu.yd. brick masonry | 45.00 | 60.00 | 50.00 |
| 20 cu.yd. hollow terra cotta brick or tile | 45.00 | 60.00 | 49.00 |
| 7,000 bbl. portland cement grout 1:1 less than 150 mesh | 7.50 | 7.00 | 8.50 |
| 500 bbl. portland cement grout neat less than 150 mesh | 7.00 | 6.00 | 7.70 |
| 100 bbl. portland cement grout neat excess of 150 mesh | 7.50 | 15.00 | 11.00 |
| 200 connections for grout excess of 150 mesh | 2.50 | 10.00 | 7.00 |
| 200 M ft.B.M. tunnel timbering | 160.00 | 350.00 | 140.00 |
| 65 ton steel supports | 160.00 | 300.00 | 170.00 |
| 5,700 sq.yd. waterproofing 1-ply | 1.20 | 1.30 | 1.20 |
| 6,400 sq.yd. waterproofing 3-ply | 2.70 | 4.00 | 2.80 |
| 1,500 sq.yd. waterproofing 6-ply | 5.00 | 8.00 | 5.60 |
| 100 sq.yd. waterproofing dry-ply | 1.00 | 1.30 | .70 |
| 8,600 sq.ft. sheet lead water stops | 3.00 | 1.50 | 2.80 |
| 275 cu.yd. waterproofing brick in asphalt mastic 1-layer | 50.00 | 70.00 | 55.00 |
| 350 cu.yd. waterproofing brick in asphalt mastic 2-layers | 50.00 | 70.00 | 55.00 |
| 500 lin.ft. 3-inch cast iron pipe and fittings | 1.45 | 2.00 | 1.80 |
| 500 lin.ft. 4-inch cast iron pipe and fittings | 1.90 | 3.00 | 2.20 |
| 320 lin.ft. 6-inch cast iron pipe and fittings | 3.00 | 5.00 | 3.20 |
| 3,600 lin.ft. 8-inch cast iron pipe and fittings | 4.15 | 8.00 | 4.90 |
| 150 lin.ft. 3-inch galvanized steel pipe and fittings | 1.60 | 2.00 | 1.70 |
| 150 lin.ft. 4-inch galvanized steel pipe and fittings | 1.90 | 3.00 | 2.20 |
| 240 lin.ft. 8-inch galvanized steel pipe and fittings | 5.00 | 8.00 | 6.30 |
| 25,200 duct ft. tunnel ducts | .30 | .35 | .30 |
| 2,750 ton riveted steel, beams, and shapes | 130.00 | 165.00 | 150.00 |
| 3 ton architectural steel and iron | 400.00 | 500.00 | 420.00 |
| 75 sq.ft. sliding doors with steel panels | 5.80 | 6.00 | 7.00 |

*Constr. News page 310*

**UNIT PRICES *continued on Page 310a***

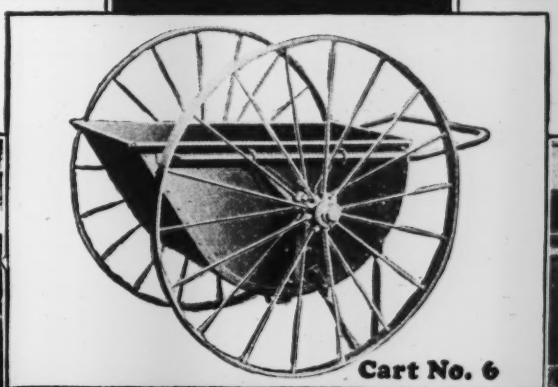
Stocked by Hardware and Equipment Dealers Everywhere

***Accept NO Substitute***

# Sterling

**Wheelbarrow No. 16**

**Wheelbarrow No. 32**



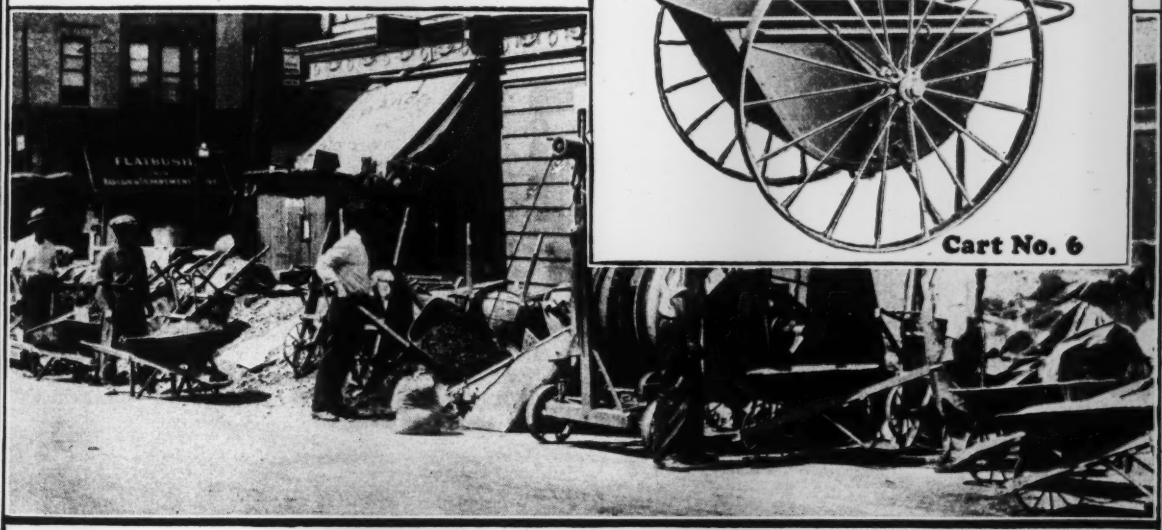
**Cart No. 6**

There's a Sterling wheelbarrow or cart for every service and each one built right for the job—*balance*—*service*—*easy wheeling qualities* are built into every part with the result that Sterling barrows and carts last longer and wheel more tonnage per man per day.

There is no part of a contractor's equipment which receives harder service and abuse than the wheelbarrow or cart. Poorly made equipment—bought to save a few pennies—will slow up the entire job and lose the profit which good wheelbarrows and carts will save. The Sterling line are specialized products made to a standard instead of price. They are built to stand the gaff.

**Sterling Warehouses**

Chicago, New York, Philadelphia, Cleveland, Detroit, St. Louis



STERLING WHEELBARROW COMPANY

STERLING ON A WHEELBARROW MEANS MORE THAN STERLING ON SILVER

Milwaukee Wisconsin

MANUFACTURED FOR THE EUROPEAN MARKETS BY:— STERLING FOUNDRY SPECIALTIES LTD *STERLING WORKS, BEDFORD, ENGLAND

# UNIT PRICES

## On actual contracts gathered by field correspondents, also those sent in by readers

*Subway—Continued*

| | | | |
|---|---|---|---|
| 175 ton steel rods and bars | 115.00 | 200.00 | 140.00 |
| 3 ton miscellaneous iron castings | 200.00 | 200.00 | 210.00 |
| 3,000 lb. special wire form | .30 | .40 | .36 |
| 6,200 lin.ft. 1¼-inch oak or ash handrail | .50 | .60 | .60 |
| 2,700 sq.ft. steel gratings for ventilation | 4.00 | 5.00 | 3.90 |
| 1,600 sq.yd. sidewalk restored | 3.50 | 4.00 | 3.80 |
| 3,100 sq.yd. roadways restored—asphalt | 6.50 | 8.00 | 6.30 |
| 100 sq.yd. roadways restored—granite block | 6.00 | 10.00 | 5.00 |
| 100 lin.ft. new 6-inch bluestone curb | 2.25 | 4.00 | 2.50 |
| 100 lin.ft. new 8-inch granite curb | 5.60 | 8.00 | 6.20 |
| 160 sq.yd. new sidewalk finish 3 in. thick | 2.00 | 4.00 | 2.20 |
| 3,200 sq.yd. temporary pavement of granite block | 3.00 | 4.00 | 2.10 |
| 7,600 lin.ft. ¾-in. steel electric conduits | .40 | .50 | .40 |
| 60 lin.ft. 1¼-in. steel electric conduits | .80 | 1.00 | .60 |
| 1,400 lin.ft. 2-in. steel electric conduits | .80 | 3.00 | .90 |
| 11,600 lin.ft. 1-in. steel electric conduits | .50 | .80 | .60 |
| 200 lin.ft. 3½-in. steel electric conduits | 1.50 | 5.00 | 1.70 |
| 25 lin.ft. 2½-in. steel electric conduits | 1.50 | 4.00 | 1.10 |
| 1,150 cast iron outlet boxes 4x4x3 in. | 2.00 | 3.00 | 2.10 |
| 10 cast iron pull boxes 6x6x4 in. | 7.50 | 4.00 | 3.70 |
| 5 cast iron pull boxes 6x12x3 in. | 10.00 | 5.00 | 8.50 |
| 12 cast iron pull boxes 8x8x6 in. | 10.00 | 8.00 | 11.00 |
| 4 cast iron pull boxes 12x12x6 in. | 12.00 | 10.00 | 14.00 |
| 220 lin.ft. 6 in. cast iron pipe and fittings "extra heavy" | 4.65 | 5.00 | 5.20 |
| 420 lin.ft. 3 in. cast iron pipe and fittings "extra heavy" | 2.50 | 2.00 | 2.80 |
| 80 lin.ft. 4 in. cast iron pipe and fittings "extra heavy" | 3.10 | 3.00 | 3.50 |
| 100 lin.ft. 8 in. cast iron pipe and fittings "extra heavy" | 6.00 | 8.00 | 8.00 |
| 200 lin.ft. 12 in. vitrified pipe sewer | 7.50 | 10.00 | 8.40 |
| 1,000 lin.ft. 15 in. vitrified pipe sewer | 9.00 | 12.00 | 9.80 |
| 210 lin.ft. 18 in. vitrified pipe sewer | 10.60 | 16.00 | 11.20 |
| 80 lin.ft. 22 in. vitrified pipe sewer | 11.60 | 18.00 | 14.00 |
| 200 lin.ft. 24 in. vitrified pipe sewer | 12.80 | 20.00 | 15.50 |
| 28 ton cast iron sewer pipe (straight pipe) | 125.00 | 150.00 | 140.00 |
| 12 ton cast iron sewer pipe (special castings) | 250.00 | 300.00 | 280.00 |
| 250 lin.ft. flat top reinforced concrete sewers 3 ft. 9 in. x 2 ft. 4 in. | 23.00 | 30.00 | 28.00 |
| 275 lin.ft. flat top reinforced concrete sewers 9 ft. 0 in. x 8 ft. 6 in. | 50.00 | 150.00 | 70.00 |
| 68 lin.ft.s.t. electric (underground trolley) railroad | 10.00 | 20.00 | 70.00 |
| 6 support and maint. of 3rd Ave. El. cols. on structure | 4,000.00 | 5,000.00 | 4,900.00 |
| 2 support and maint. of 3rd Ave. El. cols. off structure | 4,000.00 | 4,000.00 | 4,900.00 |
| 2 support and maint. of 3rd Ave. El. stairway cols. on structure | 4,000.00 | 2,000.00 | 4,900.00 |
| Support and maint. of 7th Ave.-Lex. Ave. R.T.R. (lump sum) | 200,000.00 | 150,000.00 | 250,000.00 |
| 150 lin.ft. water pipe 6 in. | 2.20 | 4.00 | 1.40 |
| 100 lin.ft. water pipe 12 in. | 3.75 | 6.00 | 2.80 |
| 120 lin.ft. water pipe 36 in. | 12.00 | 15.00 | 11.00 |
| 120 lin.ft. water pipe 48 in. | 20.00 | 20.00 | 20.00 |
| 15 service connections for water pipes | 30.00 | 150.00 | 35.00 |
| 100 lin.ft. cast iron gas pipe 4 in. | 1.55 | 4.00 | 1.40 |
| 2,300 lin.ft. steel bypassing pipe 6 in. | 22.00 | 10.00 | 11.20 |
| 850 lin.ft. steel bypassing pipe 4 in. | 20.00 | 6.00 | 10.00 |
| 500 lin.ft. steel bypassing pipe 28 in. | 60.00 | 40.00 | 28.00 |
| 15 service connections for gas pipes | 30.00 | 150.00 | 56.00 |
| 10 ton new C.I. hub and spigot pipe straight | 100.00 | 150.00 | 105.00 |
| 3 ton new C.I. hub and spigot pipe special casting | 250.00 | 250.00 | 210.00 |
| 10 ton new steel pipe straight | 300.00 | 200.00 | 140.00 |
| 3 ton new steel pipe specials | 500.00 | 400.00 | 280.00 |
| 280 lin.ft. steam pipes 6 in. | 10.00 | 25.00 | 70.00 |
| 150 lin.ft. steam pipes 8 in. | 16.00 | 40.00 | 85.00 |
| 2 service connections for steam pipes | 125.00 | 400.00 | 140.00 |
| 100 lin.ft. new steel steam pipe 6 in. | 10.00 | 10.00 | 35.00 |
| 50 lin.ft. new steel steam pipe 8 in. | 16.00 | 15.00 | 42.00 |
| 7,000 duct.ft. electric ducts and conduits | .50 | .50 | .60 |
| 20 service connections for electric ducts | 65.00 | 150.00 | 70.00 |
| Engineer's field office (lump sum) | 40,000.00 | 12,000.00 | 19,500.00 |
| Totals excluding items 1(b), 1(c), 2(b), 2(c), 3(b), 3(c), 5A(b), 5A(c), 5L(b), and 5L(c) | $4,697,446 | $5,699,101 | $6,221,478 |
| Totals excluding items 1(a), 1(c), 2(a), 2(c), 3(a), 3(c), 5A(a), 5A(c), 5L(a) and 5L(c) | 4,711,581 | 5,699,101 | 6,557,633 |
| Totals excluding items 1(a), 1(b), 2(a), 2(b), 3(a), 3(b), 5A(a), 5A(b), 5L(a) and 5L(b) | 4,704,513 | 5,771,776 | 6,557,633 |

Underpinning of buildings included in totals but not in units.

### Drain—Los Angeles, Calif.

Bids were opened by City (lowest three and highest) for constructing Tallman Street storm drain (Jefferson Street storm drain system) from (A) M. Simunovich, 3305 West 66th St.; (B) C. U. Heuser; (C) R. A. Wattson; (D) P. R. Gadd; contractors all of Los Angeles. The unit bids are as follows:

| | A | B | C | D |
|---|---|---|---|---|
| Storm Drain (lump sum) | $340,200 | $364,400 | $372,500 | $436,000 |
| 1,045 lin.ft. house sewers | 2.00 | 1.50 | 1.70 | 1.50 |
| 231,800 sq.ft. class AAA resurf. | .04 | .04½ | .03½ | .03 |
| 32,000 sq.ft. class AA resurfac. | .02½ | .04½ | .04½ | .04 |
| 24,751 sq.ft. class A resurfacing | .26 | .27 | .17 | .12 |
| 140,243 sq.ft. class B resurfacing | .28 | .33 | .35 | .30 |
| 2,303 sq.ft. class C resurfacing | .30 | .33 | .35 | .30 |
| 1,186 sq.ft. class D resurfacing | .30 | .27 | .35 | .30 |
| 1,825 sq.ft. class H resurfacing | .15 | .20 | .20 | .20 |
| That part of storm drain in Jefferson St., not including resurfacing (lump sum) | 3,200 | 2,000 | 2,100 | 1,750 |
| Totals | $401,179 | $434,245 | $441,306 | $494,004 |

### Road—Kansas

Bids were opened by Commissioners of Wyandotte County, Kansas City, Nov. 15, 1926, for constructing 1.12 mi. Randall Road, from (A) Engineer's Estimate; (B) Roberts Brothers; (C) Davidson Construction Co. (awarded contract); (D) H. A. Kepler; contractors all of Kansas City. The unit bids are as follows:

| | A | B | C | D |
|---|---|---|---|---|
| 31,730 cu.yd. earth excavation | $0.61 | $0.35 | $0.30 | $0.32 |
| 1,976 cu.yd. earth borrow | .49 | .35 | .33 | .30 |
| 48 sta. hedge to be grubbed | 15.00 | 10.00 | 12.00 | 10.00 |
| 295.7 cu.yd. class "A" concrete | 21.69 | 17.00 | 16.50 | 17.00 |
| 25,616 lb. reinforcing steel | .06 | .05 | .05 | .05 |
| 12,495 sq.yd. bitu. macadam paving | 1.45 | 1.15 | .90 | 1.30 |
| 180 lin.ft. 15 in. rein. concrete pipe | 3.90 | 2.50 | 2.50 | 3.00 |
| 20 lin.ft. 18 in. rein.concrete pipe | 5.72 | 3.00 | 4.00 | 3.85 |
| 76 lin.ft. 36 in. rein. concrete pipe | 11.51 | 8.50 | 9.00 | 8.75 |
| 56 lin.ft. 24 in. rein. concrete pipe | 6.76 | 4.00 | 5.50 | 5.00 |
| 1,830 lin.ft. guard fence (Type 2) | 1.00 | .70 | .70 | .75 |
| 28,200 gal. bitumen applied | .24 | .15 | .16 | .19 |
| Totals | $57,779 | $39,845 | $35,467 | $42,070 |

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